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RESEARCH PRODUCT 82-13

MISSION-BASED ANALYSES OF ARMOR TRAINING  
REQUIREMENTS. VOLUME IV: CREWMAN TASKS  
PERFORMED DURING TANK PLATOON OPERATIONS

ARI FIELD UNIT AT FORT KNOX, KENTUCKY

April 1982

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A detailed analysis was conducted of armor operations to provide the basis for developing a set of platoon drills for combined individual and collective armor training. The analysis provided information on the stages of armor operations, the individual and collective tasks that are performed during each stage, training objectives for these tasks, leadership tasks that are performed during each stage, and the types of factors that affect armor operations during combat.			

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An analysis of armor operations was conducted to identify, classify, and interrelate the activities performed during tank platoon missions. Volume IV of this report contains lists of crewman tasks performed by tank commanders, gunners, drivers, and loaders during the platoon operations identified in the analysis.

This report is in seven volumes as follows:

- Volume I: Final Report
- Volume II: Armor Operation Time Sequences
- Volume III: Leadership Tasks Performed During Tank Platoon Operations
- \*Volume IV: Crewman Tasks Performed During Tank Platoon Operations
- Volume V: Relationships Among Collective and Individual Tasks in Tank Platoon Operations
- Volume VI: Training Objectives for Tank Platoons and Crews
- Volume VII: Training Objectives for the XM1 Loader

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## FOREWORD

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This is Volume IV of the Final Report of a project entitled Mission-Based Simulation and Training Requirements. This volume contains lists of crewman tasks performed by tank commanders, gunners, drivers, and loaders during the tank platoon operations identified in an analysis of armor operations. The other volumes of the Final Report are Volume I: Final Report; Volume II: Armor Operation Time Sequences; Volume III: Leadership Tasks Performed During Tank Platoon Operations; Volume V: Relationships Among Collective and Individual Tasks in Tank Platoon Operations; Volume VI: Training Objectives for Tank Platoons and Crews; Volume VII: Training Objectives for the XM1 Loader.

The work reported here was performed at the Fort Knox Office of the Human Resources Research Organization (HumRRO), under Contract No. 903-80-C-0229 with the US Army Research Institute for the Behavioral and Social Sciences (ARI). Dr. David W. Bessemer was the Contracting Officer's Technical Representative and provided administrative assistance and guidance.

Richard D. Healy of the Human Resources Research Organization contributed significantly to the portion of the project described in this volume.

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## INTRODUCTION

The requirement to attain and sustain higher levels of combat readiness has increased the difficulties involved in the management of armor training. The difficulties stem from the additional training needed to reach and maintain these higher levels of readiness. The recent emphasis upon collective training has created still further difficulties since collective training exercises must be incorporated into training schedules that are already overcrowded.

A potential solution to this problem is to combine individual and collective training. This can be accomplished by providing opportunities to practice individual skills during collective training exercises. The combination of individual and collective training could be further improved by assessing both individual and collective performance during the training exercises, and by correcting performance deficiencies either during or after the exercises.

Platoon drills provide a potentially suitable context for combining individual and collective training. A platoon drill is a platoon level training exercise in which the different elements of a platoon practice coordination. The goal of a platoon drill is to enable these elements to react quickly and automatically with a minimum of communications from the platoon leader. Since ultimately the drill must facilitate platoon performance during combat, it is essential that the activities performed during a platoon drill correspond to those performed in combat. This correspondence can be assured by first identifying both the stages of combat operations and the individual and collective tasks performed during each stage. Platoon drills can then be developed that will correspond to different stages of combat, and training can be provided for both the individual and collective tasks that occur during these stages.

### Purpose

The purpose of the research described in this volume is to identify the individual crewman tasks performed during different stages of combat. This information, when combined with similar information on collective tasks, could then serve as the basis for developing a series of platoon drills suitable for use in combined individual and collective training. The results of research conducted to identify the collective tasks performed during the different stages of combat are contained in Volume V of this report.

## STAGES OF ARMOR OPERATIONS

The identification of the stages of armor operations was accomplished during an analysis of armor operations. The analysis is described in Volume I of this report, and diagrams and flow charts summarizing the analysis are contained in Volume II.

### Missions and Mission Phases

The analysis of armor operations was conducted to identify, classify, and interrelate the activities performed during tank platoon missions.

A mission was defined as a specific goal that was assigned to a military unit by the commander of the unit at the next higher echelon. Since the number of such goals was assumed to be inherently large, it was concluded that the number of platoon missions was too extensive to serve as the focal point of the analysis. The first step in the analysis, therefore, was to identify the categories or clusters of activities that normally occur during the performance of these missions. Six such categories were identified--offense, defense, assembly areas, plan operations, conduct movement, and sustaining operations. These categories were labeled "mission phases" since the clusters occur at different times and represent different stages of mission performance. The four mission phases pertaining to activities conducted in support of offense and defense (i.e., assembly areas, plan operations, conduct movement, and sustaining operations) were collectively referred to as the "supporting mission phases".

#### Team Operations and Team Operation Phases

The analysis of armor operations focused on a tank team containing armor and infantry platoons. Since missions are assigned to platoons by the team commander to facilitate the performance of the team mission, it was concluded that the analysis of platoon operations must begin with an analysis of team operations. The strategy was to first identify the team operations that are normally performed during each mission phase. Once these were identified, the next step was to identify the platoon operations normally occurring during each team operation.

Tank Team operations were identified during an examination of FM 71-1, The Tank Mechanized Infantry Company Team, June 1977. The description of the conduct of each operation phase represented a cluster of activities that occur during different stages of a team operation. While some activities may occur during two or more phases of a team operation, the combination of activities performed during each phase tend to be unique and are intended to accomplish different subgoals.

Upon identifying the team operations and their phases, an analysis was conducted of the activities that occur during each operation. The focal point of this analysis was the team commander. From the descriptions of team operations, the command, control, and communications functions of the team commander were identified and placed into the sequence in which they would normally occur. The types of stimuli initiating each leadership act were derived from consideration of the combat situation. Team tasks were then identified by determining the specific team activities that would result from each command issued by the commander.

#### Platoon Operation

After the team operations and their phases were identified, the analysis was continued by examining the activities that occur at the platoon level. Descriptions of team operations were reviewed to identify the platoon operations that are conducted during each team operation phase. A platoon operation was defined as a coordinated set of activities that could be performed by a single tank platoon that would enable the platoon to accomplish the goal assigned to it by the team commander.



## IDENTIFICATION OF CREWMAN TASKS PERFORMED DURING EACH PLATOON OPERATION

Based on the analysis of armor operations, the decision was made that the platoon operation was the most suitable stage of combat for the preparation of platoon drills. The next step, therefore, was to identify the crewman tasks performed during each platoon operation. This was done in two phases. The individual tasks performed by tank commanders, gunners, drivers, and loaders were identified during Phase 1. During Phase 2, descriptions of combat operations were examined to determine which of these tasks would normally be performed during each platoon operation.

### Identification of Crewman Tasks

The individual tasks performed by tank commanders, gunners, and drivers were identified by reviewing the activities described for these positions in DEP 9-2350-255-10-1, Operator's Manual for Tank, Combat, Full-Tracked, 105-MM Gun, XM1, October 1978, with changes 1 and 2, and TM 9-2350-255-10-1, Operator's Manual for Tank, Combat, Full-Tracked, 105-MM Gun, XM1, January 1980. Additional tank commander, gunner, and driver tasks were identified from a list of XM1 specific tasks in 19K Armor Crewman Basic Armor Training (BAT) Tasks prepared by the Armor School at Fort Knox. The individual tasks performed by loaders were identified by reviewing the XM1 Operator's Manual dated January 1980 and the BAT task lists. Alphabetical lists of tank commander, gunner, driver, and loader tasks are presented in Volume I of this report.

### Determination of Crewman Tasks Performed During Each Platoon Operation

Descriptions of combat operations contained in FM 71-1, The Tank and Mechanized Infantry Company Team, June 1977 were reviewed. Based on these descriptions, judgments were made of the crewman tasks that would normally be performed during each platoon operation to facilitate the success of the operation. The tasks normally performed during each platoon operation by tank commanders are listed by mission phase, team operation, and team operation phase in Appendix A. The tasks normally performed by gunners are listed in Appendix B; those normally performed by drivers are listed in Appendix C; and those normally performed by loaders are listed in Appendix D.

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APPENDIX A  
TANK COMMANDER TASKS

TANK COMMANDER TASKS PERFORMED DURING EACH PLATOON  
OPERATION BY TEAM OPERATION AND TEAM OPERATION PHASE

OFFENSE

MOVEMENT TO CONTACT

## MOVEMENT PHASE

### Traveling or Traveling Overwatch or Bounding Overwatch (Lead Platoon)

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Acquire targets
7. Lay gun for direction

### Traveling or Traveling Overwatch or Bounding Overwatch (Following Platoon)

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Acquire targets
7. Lay gun for direction

## ACTION ON CONTACT PHASE

### Immediate Action (Lead Platoon)

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Fire grenades
5. Operate radio
6. Operate rangefinder
7. Acquire targets
8. Lay gun for direction
9. Sense rounds
10. Fire Commander's machinegun
11. Fire main gun from TC's position
12. Rank targets according to potential danger
13. Identify US and foreign equipment
14. Estimate range
15. Load Commander's machinegun

16. Perform during firing checks and services
17. Issue fire command

Develop the Situation (Lead Platoon)

Occupy Suppressive Fire Position (Following Platoon)

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Operate rangefinder
6. Acquire targets
7. Lay gun for direction
8. Sense rounds
9. Fire Commander's machinegun
10. Fire main gun from TC's position
11. Rank targets according to potential danger
12. Identify US and foreign equipment
13. Estimate range
14. Load Commander's machinegun
15. Perform during firing checks and services
16. Issue fire command

HASTY ATTACK

## SUPPRESSIVE FIRE PHASE

### Engage Enemy on Objective (Suppressive Fire Platoon)

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Load Commander's machinegun
7. Operate radio
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Lay gun for direction
12. Sense rounds
13. Fire Commander's machinegun
14. Fire suppressive fires
15. Operate rangefinder
16. Fire main gun from TC's position
17. Estimate range
18. Sense rounds for another tank
19. Perform during firing checks and services
20. Issue fire command

### Shift Suppressive Fires (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Acquire targets
6. Rank targets according to potential danger
7. Identify US and foreign equipment
8. Lay gun for direction
9. Sense rounds



10. Fire Commander's machinegun
11. Fire main gun from TC's position
12. Fire suppressive fires
13. Sense rounds for another tank
14. Operate rangefinder
15. Estimate range
16. Load commander's machinegun
17. Perform during firing checks and services
18. Issue fire command

#### FIRE AND MANEUVER PHASE

##### Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Load Commander's machinegun
7. Operate radio
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Lay gun for direction
12. Sense rounds
13. Fire Commander's machinegun
14. Fire main gun from TC's position
15. Operate rangefinder
16. Estimate range
17. Perform during firing checks and services
18. Issue fire command

##### Conduct the Assault (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode

4. Operate radio
5. Acquire targets
6. Rank targets according to potential danger
7. Identify US and foreign equipment
8. Lay gun for direction
9. Sense rounds
10. Fire Commander's machinegun
11. Fire main gun from TC's position
12. Load Commander's machinegun
13. Operate rangefinder
14. Estimate range
15. Operate Commander's hatch
16. Adjust TC seat and platform
17. Perform during firing checks and services
18. Issue fire command

BYPASS

## SUPPRESSIVE FIRES PHASE

### Engage Enemy on Objective (Suppressive Fire Platoon)

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Operate radio
7. Acquire targets
8. Rank targets according to potential danger
9. Identify US and foreign equipment
10. Lay gun for direction
11. Sense rounds
12. Fire Commander's machinegun
13. Fire suppressive fires
14. Load Commander's machinegun
15. Estimate range
16. Fire main gun from TC's position
17. Operate rangefinder
18. Perform during firing checks and services
19. Issue fire command

### Suppress Enemy Direct Fires (Suppressive Fire Platoon)

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Operate radio
7. Acquire targets
8. Rank targets according to potential danger
9. Identify US and foreign equipment
10. Lay gun for direction
11. Sense rounds

12. Fire Commander's machinegun
13. Fire suppressive fires
14. Fire main gun from TC's position
15. Load Commander's machinegun
16. Estimate range
17. Operate rangefinder
18. Fire grenades
19. Perform during firing checks and services
20. Issue fire command

CONTINUE BYPASS AND CONTINUE MOVEMENT TO CONTACT PHASE

Bypass Enemy Position (Following Platoon)

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Operate radio
7. Acquire targets
8. Rank targets according to potential danger
9. Identify US and foreign equipment
10. Lay gun for direction
11. Sense rounds
12. Operate rangefinder
13. Load Commander's machinegun
14. Fire main gun from TC's position
15. Estimate range
16. Perform during firing checks and services
17. Issue fire command

Continue Movement to Contact (Following Platoon)

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate Commander's hatch

5. Adjust TC seat and platform
6. Lay gun for direction
7. Acquire targets

HOLDING

## OCCUPY HASTY DEFENSE PHASE

### Withdraw to Defensive Position (Lead Platoon)

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate radio
6. Acquire targets
7. Identify US and foreign equipment
8. Lay gun for direction

### Occupy Hasty Defense Position (Following Platoon)

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate radio
6. Acquire targets
7. Identify US and foreign equipment
8. Lay gun for direction

### Support Withdrawal of Lead Platoon (Following Platoon)

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Load Commander's machinegun
4. Operate radio
5. Acquire targets
6. Identify US and foreign equipment
7. Lay gun for direction
8. Rank targets according to potential danger
9. Operate rangefinder
10. Operate Commander's weapon station in power mode
11. Estimate range
12. Sense rounds
13. Fire Commander's machinegun



14. Fire main gun from TC's position
15. Load Commander's machinegun
16. Sense rounds for another tank
17. Perform during firing checks and services
18. Issue fire command

#### DEFEND POSITION PHASE

##### Engage Targets of Opportunity

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Load Commander's machinegun
7. Operate radio
8. Acquire targets
9. Identify US and foreign equipment
10. Sense rounds
11. Fire Commander's machinegun
12. Fire main gun from TC's position
13. Fire suppressive fires
14. Sense rounds for another tank
15. Estimate range
16. Operate rangefinder
17. Rank targets according to potential danger
18. Perform during firing checks and services
19. Issue fire command

##### Mass Platoon Fire on Enemy Attack

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode

6. Operate radio
7. Acquire targets
8. Identify US and foreign equipment
9. Lay gun for direction
10. Sense rounds
11. Fire Commander's machinegun
12. Fire main gun from TC's position
13. Fire suppressive fires
14. Load Commander's machinegun
15. Estimate range
16. Operate rangefinder
17. Rank targets according to potential danger
18. Perform during firing checks and services
19. Issue fire command

DELIBERATE ATTACK

## SUPPRESSIVE FIRES PHASE

### Move to and Occupy Suppressive Fire Position (Suppressive Fire Platoon)

1. Operate Commander's hatch
2. Operate intercommunications equipment
3. Operate Commander's power control handle
4. Operate Commander's weapon station in power mode
5. Acquire targets
6. Lay gun for direction
7. Adjust TC seat and platform

### Engage Enemy on Objective (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Operate rangefinder
6. Acquire targets
7. Rank targets according to potential danger
8. Identify US and foreign equipment
9. Lay gun for direction
10. Sense rounds
11. Fire Commander's machinegun
12. Fire main gun from TC's position
13. Estimate range
14. Fire suppressive fires
15. Adjust TC seat and platform
16. Load Commander's machinegun
17. Sense rounds for another tank
18. Perform during firing checks and services
19. Issue fire command

### Shift Suppressive Fires (Suppressive Fire Platoon)

1. Operate intercommunications equipment

2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Operate rangefinder
6. Acquire targets
7. Rank targets according to potential danger
8. Identify US and foreign equipment
9. Lay gun for direction
10. Sense rounds
11. Fire Commander's machinegun
12. Fire main gun from TC's position
13. Estimate range
14. Fire suppressive fires
15. Load Commander's machinegun
16. Sense rounds for another tank
17. Perform during firing checks and services
18. Issue fire command

#### FIRE AND MANEUVER PHASE

#### Move to and Cross Line of Departure (Fire and Maneuver Phase)

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Acquire targets
6. Rank targets according to potential danger
7. Identify US and foreign equipment
8. Lay gun for direction
9. Sense rounds
10. Fire Commander's machinegun
11. Fire main gun from TC's position
12. Estimate range
13. Load Commander's machinegun

14. Operate rangefinder
15. Operate Commander's hatch
16. Adjust TC seat and platform
17. Perform during firing checks and services
18. Issue fire command

Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Operate rangefinder
6. Acquire targets
7. Rank targets according to potential danger
8. Identify US and foreign equipment
9. Lay gun for direction
10. Sense rounds
11. Fire Commander's machinegun
12. Fire main gun from TC's position
13. Estimate range
14. Load Commander's machinegun
15. Operate Commander's hatch
16. Adjust TC seat and platform
17. Perform during firing checks and services
18. Issue fire command

ASSAULT PHASE

Support Breaching Operation (Fire and Maneuver Platoon)

1. Operate intercommunication equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Operate rangefinder
6. Acquire targets

7. Rank targets according to potential
8. Identify S and I equipment
9. Lay out direct
10. Sense
11. Fire Co r's negun
12. Fire main from TC's posit
13. Estimate
14. Comm gun
15. Rate Co
16. Adjust TC
17. Perform dur cks vices
18. Issue fire

Conduct the Assault (F) Pl.

1. Operate int as eq
2. e Com e cont file
3. e Com upon sta power e
4. e rad
5. e rar
6. e ta
7. e target ding to pote danger
8. e cify i foreign equipme
9. e gun for action
10. Sense ro
11. Fire Co r's mach gun
12. Fire main gun from TC
13. Estimate ge
14. Load Co er's mac
15. Operate ander's
16. Adjust ar and
17. Perform dur ag firing checks and services
18. Issue fire command

EXPLOITATION AND PURSUIT



## MOVEMENT PHASE

### Traveling or Traveling Overwatch or Bounding Overwatch (Lead Platoon)

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Acquire targets
7. Lay gun for direction

### Traveling or Traveling Overwatch or Bounding Overwatch (Following Platoon)

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Acquire targets
7. Lay gun for direction

## ACTION ON CONTACT PHASE

### Immediate Action (Lead Platoon)

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Fire grenades
5. Operate radio
6. Operate rangefinder
7. Acquire targets
8. Lay gun for direction
9. Sense rounds
10. Fire Commander's machinegun
11. Fire main gun from TC's position

12. Rank targets according to potential danger
13. Identify US and foreign equipment
14. Estimate range
15. Load Commander's machinegun
16. Perform during firing checks and services
17. Issue fire command

Develop the Situation (Lead Platoon)

Occupy Suppressive Fire Position (Following Platoon)

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Operate rangefinder
6. Acquire targets
7. Lay gun for direction
8. Sense rounds
9. Fire Commander's machinegun
10. Fire main gun from TC's position
11. Rank targets according to potential danger
12. Identify US and foreign equipment
13. Estimate range
14. Load Commander's weapon
15. Perform during firing checks and services
16. Issue fire command

TANK COMMANDER TASKS PERFORMED DURING EACH PLATOON OPERATION  
BY TEAM OPERATION AND TEAM OPERATION PHASE

DEFENSE

OCCUPY BATTLE POSITION

## MOVE TO BATTLE POSITION PHASE

### Move to Platoon Battle Position

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Acquire targets
5. Lay gun for direction
6. Operate Commander's hatch
7. Adjust TC seat and platform

## OCCUPY AND ORGANIZE BATTLE POSITION PHASE

### Occupy Platoon Battle Position

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Acquire targets
5. Lay gun for direction
6. Operate Commander's hatch
7. Adjust TC seat and platform

### Organize Platoon Battle Position

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Acquire targets
5. Estimate range
6. Lay gun for direction
7. Operate rangefinder

DEFEND BATTLE POSITION

## SURVEILLANCE PHASE

### Maintain Surveillance in Platoon Sector

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Load Commander's machinegun
5. Operate radio
6. Acquire targets
7. Rank targets according to potential danger
8. Identify US and foreign equipment
9. Lay gun for direction
10. Operate Commander's power control handle
11. Operate Commander's weapon station in power mode
12. Estimate range
13. Operate rangefinder

## INDIRECT FIRE PHASE

### Initiate Indirect Fires in Platoon Sector

1. Operate intercommunications equipment
2. Acquire targets
3. Rank targets according to potential danger
4. Identify US and foreign equipment
5. Lay gun for direction
6. Operate Commander's power control handle
7. Operate Commander's weapon station in power mode
8. Estimate range
9. Operate rangefinder
10. Operate radio

## DIRECT FIRE PHASE

### Initiate Direct Fire in Platoon Sector

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment

4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Operate radio
7. Operate rangefinder
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Lay gun for direction
12. Sense rounds
13. Fire Commander's machinegun
14. Fire main gun from TC's position
15. Estimate range
16. Sense rounds from another tank
17. Fire suppressive fires
18. Load Commander's machinegun
19. Sense rounds for another tank
20. Perform during-firing checks and services
21. Issue fire command

#### FIRE AND MANEUVER PHASE

##### Conduct Fire and Maneuver

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Load Commander's machinegun
7. Operate radio
8. Acquire targets
9. Identify US and foreign equipment
10. Lay gun for direction
11. Sense rounds
12. Fire Commander's machinegun



13. Fire main gun from TC's position
14. Estimate range
15. Operate rangefinder
16. Rank targets according to potential danger
17. Perform during-firing checks and services
18. Issue fire command

#### COUNTERATTACK PHASE

##### Engage Enemy on Objective (Suppressive Fire Platoon)

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Load Commander's machinegun
7. Operate radio
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Lay gun for direction
12. Sense rounds
13. Fire Commander's machinegun
14. Fire suppressive fires
15. Operate rangefinder
16. Fire main gun from TC's position
17. Estimate range
18. Sense round for another tank
19. Perform during-firing checks and services
20. Issue fire command

##### Shift Suppressive Fires (Suppressive Fire Platoon)

1. Operate intercommunication equipment
2. Operate Commander's power control handles
3. Operate Commander's weapon station in power mode

4. Operate radio
5. Acquire targets
6. Rank targets according to potential danger
7. Identify US and foreign equipment
8. Lay gun for direction
9. Sense rounds
10. Fire Commander's machinegun
11. Fire main gun from TC's position
12. Fire suppressive fires
13. Sense rounds for another tank
14. Operate rangefinder
15. Estimate range
16. Load Commander's machinegun
17. Perform during-firing checks and services
18. Issue fire command

Conduct Fire and Maneuver (Fire and Maneuver PLatoon)

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Load Commander's machinegun
7. Operate radio
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Lay gun for direction
12. Sense rounds
13. Fire Commander's machinegun
14. Fire main gun from TC's position
15. Operate rangefinder
16. Estimate range
17. Perform during-firing checks and services
18. Issue fire command

Conduct the Assault (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Acquire targets
6. Rank targets according to potential danger
7. Identify US and foreign equipment
8. Lay gun for direction
9. Sense rounds
10. Fire Commander's machinegun
11. Fire main gun from TC's position
12. Load Commander's machinegun
13. Operate rangefinder
14. Estimate range
15. Operate Commander's hatch
16. Adjust TC seat and platform
17. Perform during-firing checks and services
18. Issue fire command

DISPLACE TO ALTERNATE BATTLE POSITION

## MOVE TO ALTERNATE BATTLE POSITION PHASE

### Move to Platoon Battle Position

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Acquire targets
5. Lay gun for direction
6. Operate Commander's hatch
7. Adjust TC seat and platform

## OCCUPY AND ORGANIZE BATTLE POSITION PHASE

### Occupy Battle Position

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Acquire targets
5. Lay gun for direction
6. Operate Commander's hatch
7. Adjust TC seat and platform

### Organize Platoon Battle Position

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Acquire targets
5. Estimate range
6. Lay gun for direction
7. Operate rangefinder

WITHDRAW

## COVERING PHASE

### Screening Smoke (Initial Withdrawal Platoon)

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Load Commander's machinegun
7. Operate radio
8. Operate rangefinder
9. Acquire targets
10. Rank targets according to potential danger
11. Identify US and foreign equipment
12. Lay gun for direction
13. Sense rounds
14. Fire Commander's machinegun
15. Fire main gun from TC's position
16. Estimate range
17. Fire grenades
18. Perform during-firing checks and services
19. Issue fire command

### Move to the Rear (Initial Withdrawal Platoon)

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Acquire targets
5. Operate Commander's hatch
6. Adjust TC seat and platform
7. Lay gun for direction

## BREAKING CONTACT PHASE

### Initiate Suppressive Direct Fires (Covering Platoon)

1. Operate Commander's hatch

2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Load Commander's machinegun
7. Operate radio
8. Operate rangefinder
9. Acquire targets
10. Rank targets according to potential danger
11. Identify US and foreign equipment
12. Lay gun for direction
13. Sense rounds
14. Fire Commander's machinegun
15. Fire main gun from TC's position
16. Estimate range
17. Fire suppressive fires
18. Perform during-firing checks and services
19. Issue fire command

Occupy Platoon Battle Position

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Load Commander's machinegun
7. Operate radio
8. Operate rangefinder
9. Acquire targets
10. Rank targets according to potential danger
11. Identify US and foreign equipment
12. Lay gun for direction
13. Sense rounds
14. Fire Commander's machinegun
15. Fire main gun from TC's position



16. Estimate range
17. Fire grenades
18. Perform during-firing checks and services
19. Issue fire command

Move to the Rear (Covering Platoon)

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Acquire targets
5. Lay gun for direction
6. Operate Commander's hatch
7. Adjust TC seat and platform

DELAY

## SURVEILLANCE PHASE

### Maintain Surveillance in Platoon Sector

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate radio
5. Acquire targets
6. Rank targets according to potential danger
7. Identify US and foreign equipment
8. Lay gun for direction
9. Operate Commander's power control handle
10. Operate Commander's weapon station in power mode
11. Estimate range
12. Operate rangefinder

## INDIRECT FIRE PHASE

### Initiate Indirect Fire in Platoon Sector

1. Operate intercommunications equipment
2. Acquire targets
3. Rank targets according to potential danger
4. Identify US and foreign equipment
5. Lay gun for direction
6. Operate Commander's power control handle
7. Operate Commander's weapon station in power mode
8. Estimate range
9. Operate rangefinder
10. Operate radio

## DIRECT FIRE PHASE

### Initiate Direct Fire in Platoon Sector

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle

5. Operate Commander's weapon station in power mode
6. Operate radio
7. Operate rangefinder
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Lay gun for direction
12. Sense rounds
13. Fire Commander's machinegun
14. Fire main gun from TC's position
15. Estimate range
16. Sense rounds
17. Fire suppressive fires
18. Load Commander's machinegun
19. Sense rounds for another tank
20. Perform during-firing checks and services
21. Issue fire command

#### FIRE AND MANEUVER PHASE

#### Conduct Fire and Maneuver (Initial Withdrawing Platoon - High Risk Condition)

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Operate radio
7. Acquire targets
8. Identify US and foreign equipment
9. Lay gun for direction
10. Sense rounds
11. Fire main gun from TC's position
12. Estimate range
13. Operate rangefinder
14. Rank targets according to potential danger

15. Perform during-firing checks and services
16. Issue fire command

Conduct Fire and Maneuver (Initial Withdrawing Platoon - Low Risk Condition)

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate Commander's hatch
5. Operate TC seat and platform
6. Acquire targets
7. Lay gun for direction

Conduct Fire and Maneuver (Covering Platoon - High Risk Condition)

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Operate radio
7. Acquire targets
8. Identify US and foreign equipment
9. Lay gun for direction
10. Sense rounds
11. Fire main gun from TC's position
12. Estimate range
13. Operate rangefinder
14. Rank targets according to potential danger
15. Load Commander's machinegun
16. Fire Commander's machinegun
17. Fire suppressive fires
18. Perform during-firing checks and services
19. Issue fire command

Conduct Fire and Maneuver (Covering Platoon - Low Risk Condition)

1. Operate Commander's hatch
2. Adjust TC seat and platform

3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Operate radio
7. Acquire targets
8. Identify US and foreign equipment
9. Lay gun for direction
10. Sense rounds
11. Fire main gun from TC's position
12. Estimate range
13. Operate rangefinder
14. Rank targets according to potential danger
15. Perform during-firing checks and services
16. Issue fire command

#### COUNTERATTACK PHASE

##### Engage Enemy on Objective (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Operate rangefinder
6. Acquire targets
7. Rank targets according to potential danger
8. Identify US and foreign equipment
9. Lay gun for direction
10. Operate Commander's hatch
11. Adjust TC seat and platform
12. Load Commander's machinegun
13. Sense rounds
14. Fire Commander's machinegun
15. Fire suppressive fires
16. Fire main gun from TC's position
17. Sense rounds for another tank
18. Estimate range

19. Perform during-firing checks and services
20. Issue fire command

Shift Suppressive Fires (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Acquire targets
6. Rank targets according to potential danger
7. Identify US and foreign equipment
8. Lay gun for direction
9. Sense rounds
10. Fire Commander's machinegun
11. Fire main gun from TC's position
12. Fire suppressive fires
13. Sense rounds for another tank
14. Operate rangefinder
15. Estimate range
16. Load Commander's machinegun
17. Perform during-firing checks and services
18. Issue fire command

Conduct the Assault (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Operate rangefinder
6. Acquire targets
7. Rank targets according to potential danger
8. Identify US and foreign equipment
9. Lay gun for direction
10. Sense rounds
11. Fire Commander's machinegun

12. Estimate range
13. Sense rounds for another tank
14. Fire suppressive fires
15. Fire main gun from TC's position
16. Load Commander's machinegun
17. Operate Commander's hatch
18. Adjust TC seat and platform
19. Perform during-firing checks and services
20. Issue fire command



## WITHDRAWAL PHASE

### Screening Smoke (Initial Withdrawal Platoon)

1. Operate intercommunications equipment
2. Operate Commander's weapon station in power mode
3. Operate radio
4. Acquire targets
5. Lay gun for direction
6. Fire grenades
7. Operate Commander's power control handle

### Break Contact

1. Operate intercommunications equipment
2. Operate Commander's weapon station in power mode
3. Acquire targets
4. Lay gun for direction
5. Operate radio
6. Operate Commander's power control handle

### Move to Successive Delay Position

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Acquire targets
5. Lay gun for direction

### Organize Successive Delay Position

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Acquire targets
5. Estimate range
6. Lay gun for direction
7. Operate rangefinder

### Support Withdrawing Platoon (Covering Platoon)

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode

4. Operate radio
5. Operate rangefinder
6. Acquire targets
7. Rank targets according to potential danger
8. Identify US and foreign equipment
9. Lay gun for direction
10. Sense the target
11. Fire Commander's machinegun
12. Fire main gun from TC's position
13. Estimate range
14. Fire suppressive fires
15. Operate Commander's hatch
16. Adjust TC seat and platform
17. Load Commander's machinegun
18. Perform during-firing checks and services
19. Issue fire command

Screening Smoke (Covering Platoon)

1. Operate intercommunications equipment
2. Operate Commander's weapon station in power mode
3. Operate rangefinder
4. Acquire targets
5. Rank targets according to potential danger
6. Identify US and foreign equipment
7. Lay gun for direction
8. Sense rounds
9. Fire Commander's machinegun
10. Fire main gun from TC's position
11. Estimate range
12. Fire grenades
13. Operate radio
14. Operate Commander's power control handle
15. Perform during-firing checks and services
16. Issue fire command

**COUNTERATTACK**

## SUPPRESSIVE FIRES PHASE

### Engage Enemy on Objective (Suppressive Fire Platoon)

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Load Commander's machinegun
7. Operate radio
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Lay gun for direction
12. Sense rounds
13. Fire Commander's machinegun
14. Fire suppressive fires
15. Operate rangefinder
16. Fire the main gun from TC's position
17. Estimate range
18. Sense rounds for another tank
19. Perform during-firing checks and services
20. Issue fire command

### Shift Suppressive Fires (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Acquire targets
6. Rank targets according to potential danger
7. Identify US and foreign equipment
8. Lay gun for direction
9. Sense rounds

10. Fire Commander's machinegun
11. Fire main gun from TC's position
12. Fire suppressive fires
13. Sense rounds for another tank
14. Operate rangefinder
15. Estimate range
16. Load Commander's machinegun
17. Perform during-firing checks and services
18. Issue fire command

#### FIRE AND MANEUVER PHASE

##### Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Load Commander's machinegun
7. Operate radio
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Lay gun for direction
12. Sense rounds
13. Fire Commander's machinegun
14. Fire main gun from TC's position
15. Operate rangefinder
16. Estimate range
17. Perform during-firing checks and services
18. Issue fire command

##### Conduct the Assault (Fire and Maneuver Platoon)

1. Operate intercommunications equipment

2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Operate radio
5. Acquire targets
6. Rank targets according to potential danger
7. Identify US and foreign equipment
8. Lay gun for direction
9. Sense rounds
10. Fire Commander's machinegun
11. Fire main gun from TC's position
12. Load Commander's machinegun
13. Operate rangefinder
14. Estimate range
15. Operate Commander's hatch
16. Adjust TC seat and platform
17. Perform during-firing checks and services
18. Issue fire command

TANK COMMANDER TASKS PERFORMED DURING EACH PLATOON OPERATION  
BY TEAM OPERATION AND TEAM OPERATION PHASE

SUPPORT

OCCUPY REAR ASSEMBLY AREA



## MOVE INTO ASSEMBLY AREA PHASE

### Move Into Platoon Area

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment

## ORGANIZE DEFENSE OF ASSEMBLY AREA PHASE

### Organize Defense of Platoon Area

1. Operate intercommunications equipment
2. Lay gun for elevation
3. Operate Commander's power control handle

## CONDUCT SUSTAINING ACTIONS PHASE

### Conduct Platoon Sustaining Actions

1. Perform before operations maintenance checks and services on TC's station
2. Operate intercommunications equipment
3. Boresight Commander's machinegun
4. Check and adjust headspace on Commander's machinegun
5. Check and adjust timing on Commander's machinegun
6. Lay gun for direction
7. Operate Commander's power control handle
8. Power down and secure Commander's station
9. Test Commander's panel lights and switches
10. Zero Commander's machinegun
11. Prepare intercommunications equipment
12. Fire Commander's machinegun
13. Install Commander's machinegun
14. Load Commander's machinegun
15. Operate Commander's weapon station in power mode
16. Operate the rangefinder
17. Sense rounds

18. Perform before operations maintenance checks and services on  
ommander's machine
19. Perform before-firing checks and services
20. Perform during-firing checks and services
21. Perform after-firing checks and services
22. Issue fire command

OCCUPY FORWARD ASSEMBLY AREA

## MOVE INTO ASSEMBLY AREA PHASE

### Move Into Platoon Area

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment

## ORGANIZE DEFENSE OF ASSEMBLY AREA PHASE

### Organize Defense of Platoon Area

1. Operate intercommunications equipment
2. Operate rangefinder
3. Lay gun for direction
4. Operate Commander's power control handle

## CONDUCT SUSTAINING ACTIONS PHASE

### Conduct Platoon Sustaining Actions

1. Perform before operations maintenance checks and services on TC's station
2. Operate intercommunications equipment
3. Boresight Commander's machinegun
4. Check and adjust headspace in Commander's machinegun
5. Check and adjust timing on Commander's machinegun
6. Power down and secure Commander's station
7. Test Commander's panel lights and switches
8. Zero Commander's machinegun
9. Prepare intercommunications equipment
10. Lay gun for direction
11. Operate Commander's power control handle
12. Zero Commander's machinegun
13. Prepare intercommunications equipment
14. Fire Commander's machinegun
15. Install Commander's machinegun
16. Load Commander's machinegun
17. Operate Commander's weapon station in power mode
18. Operate rangefinder
19. Sense rounds

20. Perform before operations maintenance checks and service on Commander's machine
21. Issue fire command
22. Perform before-firing checks and service
23. Perform during-firing checks and service
24. Perform after-firing checks and service

PLAN OFFENSIVE OPERATIONS

RECEIPT OF WARNING ORDER PHASE

Receipt of Warning Order

1. Perform before-operations maintenance checks and services on TC station

RECEIPT OF OPERATION ORDER PHASE

Receipt of Operational Order

1. Perform before-operations maintenance checks and services on TC station

COMPLETE READINESS PHASE

Complete Readiness Actions

1. Operate intercommunications equipment
2. Check and adjust headspace on Commander's machinegun
3. Check and adjust timing on Commander's machinegun
4. Install Commander's machinegun
5. Load grenade launcher
6. Perform before-operation maintenance checks and services on TC's station
7. Prepare Commander's machinegun for travel
8. Prepare GPS extension for operation
9. Remove Commander's machinegun
10. Test Commander's panel lights and switches
11. Prepare intercommunications equipment
12. Perform before operations maintenance checks and services on Commander's machinegun

**PLAN DEFENSIVE OPERATIONS**



RECEIPT OF WARNING ORDER PHASE

Receipt of Warning Order

RECEIPT OF OPERATION ORDER PHASE

Receipt of Operation Order

COMPLETE READINESS PHASE

Complete Readiness Actions

1. Operate intercommunications equipment
2. Check and adjust headspace on Commander's machinegun
3. Check and adjust timing on Commander's machinegun
4. Install Commander's machinegun
5. Load grenade launcher
6. Perform before-operations maintenance checks and services on TC's station
7. Prepare Commander's machinegun for travel
8. Prepare GPS extension for operation
9. Remove Commander's machinegun
10. Test Commander's panel lights and switches
11. Prepare intercommunications equipment
12. Prepare before-operations maintenance checks and service on Commander's machinegun

**ADMINISTRATIVE ROAD MARCH**

DEPART OLD AREA PHASE

Depart Old Area

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment

MOVEMENT PHASE

Move Along Route

1. Operate intercommunications equipment

ARRIVE NEW AREA PHASE

Arrive New Area

1. Operate intercommunications equipment

TACTICAL ROAD MARCH

DEPART OLD AREA PHASE

Depart Old Area

1. Operate commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment

MOVEMENT PHASE

Move Along Route

1. Operate intercommunications equipment

ARRIVE NEW AREA PHASE

Arrive New Area

1. Operate intercommunications equipment

TACTICAL MOVEMENT

CONDUCT TACTICAL MOVEMENT PHASE

Traveling or Traveling Overwatch or Bounding Overwatch (Lead Platoon)

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Acquire targets
7. Lay gun for direction

Traveling or Traveling Overwatch or Bounding Overwatch (Following Platoon)

1. Operate Commander's hatch
2. Adjust TC seat and platform
3. Operate intercommunications equipment
4. Operate Commander's power control handle
5. Operate Commander's weapon station in power mode
6. Acquire targets
7. Lay gun for direction

**CONSOLIDATE ON OBJECTIVE**



## SWEEP ENEMY FROM OBJECTIVE PHASE

### Sweep Enemy From Platoon Sector

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Load Commander's machinegun
5. Operate radio
6. Operate rangefinder
7. Acquire targets
8. Rank targets according to potential danger
9. Identify US and foreign equipment
10. Lay gun for direction
11. Sense rounds
12. Fire Commander's machinegun
13. Fire main gun from TC's position
14. Estimate range
15. Operate Commander's hatch
16. Adjust seat and platform
17. Perform during-firing checks and services
18. Issue fire command

## PREPARE FOR ENEMY COUNTERATTACK PHASE

### Prepare for Enemy Counterattack

1. Operate intercommunications equipment
2. Operate Commander's power control handle
3. Operate Commander's weapon station in power mode
4. Load Commander's machinegun
5. Operate radio
6. Operate rangefinder
7. Acquire targets
8. Rank targets according to potential danger
9. Identify US and foreign equipment

10. Lay gun for direction
11. Sense rounds
12. Fire Commander's machinegun
13. Fire main gun from TC's position
14. Estimate range
15. Operate Commander's hatch
16. Adjust TC seat and platform
17. Perform during-firing checks and services
18. Issue fire command

**PREPARE TO CONTINUE ATTACK PHASE**

**Prepare to Continue Attack**

1. Operate intercommunications
2. Operate Commander's hatch
3. Adjust TC seat and platform
4. Perform before-operations maintenance checks and services on TC's station
5. Prepare Commander's machinegun for travel
6. Prepare GPS extension for operation
7. Test Commander's panel lights and switches
8. Prepare intercommunications equipment
9. Perform after-firing checks and services

REORGANIZE

CONDUCT RESUPPLY PHASE

Receive Class I, III, and V Supplies

PERFORM MAINTENANCE PHASE

Perform Maintenance and Emergency Repairs

1. Perform before-operations maintenance checks and services on TC's station
2. Perform before-operations maintenance checks and services on Commander's machinegun

REESTABLISH COMMUNICATIONS PHASE

Reestablish Communications with TCs

1. Operate radio
2. Operate intercommunications equipment
3. Prepare intercommunications equipment

REASSIGN PERSONNEL PHASE

Reassign Personnel

**APPENDIX B**  
**GUNNER TASKS**

GUNNER TASKS PERFORMED DURING EACH PLATOON  
OPERATION BY TEAM OPERATION AND TEAM OPERATION PHASE

OFFENSE

MOVEMENT TO CONTACT

## MOVEMENT PHASE

### Traveling or Traveling Overwatch or Bounding Overwatch (Lead Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handle
3. Elevate/depress main gun using power control handle
4. Acquire targets

### Traveling or Traveling Overwatch or Bounding Overwatch (Following Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Acquire targets

## ACTION ON CONTACT PHASE

### Immediate Action (Lead Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Fire coaxial machinegun
8. Identify US and foreign equipment
9. Rank targets according to potential danger
10. Sense rounds
11. Track targets
12. Load coaxial machinegun
13. Acquire targets
14. Close ballistic shields
15. Search for targets
16. Range to target using laser rangefinder

### Develop the Situation (Lead Platoon)



Occupy Suppressive Fire Position (Following Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Identify US and foreign equipment
8. Rank targets according to potential danger
9. Sense rounds
10. Track targets
11. Acquire targets
12. Close ballistic shields
13. Search for targets
14. Range to target using laser rangefinder

**HASTY ATTACK**

## SUPPRESSIVE FIRE PHASE

### Engage Enemy on Objective (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Identify US and foreign equipment
8. Acquire targets
9. Rank targets according to potential danger
10. Sense rounds
11. Track targets
12. Search for targets
13. Range to target using laser rangefinder

### Shift Suppressive Fires (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Identify US and foreign equipment
8. Acquire targets
9. Rank targets according to potential danger
10. Sense rounds
11. Track targets
12. Search for targets
13. Range to target using laser rangefinder

## FIRE AND MANEUVER PHASE

### Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Adjust Gunner's seat, browpads, & chestrest
2. Operate intercommunications equipment
3. Traverse turret using power control handles

4. Elevate/depress main gun using power control handle
5. Lay on target using Gunner's primary sight
6. Prepare to fire main gun
7. Engage targets with main gun
8. Fire coaxial machinegun
9. Identify US and foreign equipment
10. Acquire targets
11. Rank targets according to potential danger
12. Sense rounds
13. Track targets
14. Load coaxial machinegun
15. Close ballistic shields
16. Search for targets
17. Range to target using laser rangefinder
18. Fire coaxial machinegun

Conduct the Assault (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Fire coaxial machinegun
8. Load coaxial machinegun
9. Identify US and foreign equipment
10. Acquire targets
11. Rank targets according to potential danger
12. Sense rounds
13. Track targets
14. Search for targets
15. Range to targets using laser rangefinder

BYPASS

## SUPPRESSIVE FIRES PHASE

### Engage Enemy on Objective (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Fire coaxial machinegun
8. Identify US and foreign equipment
9. Acquire targets
10. Rank targets according to potential danger
11. Sense rounds
12. Track targets
13. Load coaxial machinegun
14. Range to target using laser rangefinder
15. Search for targets

### Suppress Enemy on Direct Fires (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Fire coaxial machinegun
8. Identify US and foreign equipment
9. Acquire targets
10. Rank targets according to potential danger
11. Sense rounds
12. Track targets
13. Load coaxial machinegun
14. Range to target using laser rangefinder
15. Search for targets
16. Manually input fire control data for automatic parameters into ballistic computer
17. Manually input fire control data for manual parameters into ballistic computer

CONTINUE BYPASS AND CONTINUE MOVEMENT TO CONTACT PHASE

Bypass Enemy Position (Following Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Identify US and foreign equipment
8. Acquire targets
9. Rank targets according to potential danger
10. Sense rounds
11. Track targets
12. Range to targets using laser rangefinder
13. Search for targets

Continue Movement to Contact (Following Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Acquire targets
5. Manually input fire control data for automatic parameters into ballistic computer
6. Manually input fire control data for manual parameters into ballistic computer

HOLDING



## OCCUPY HASTY DEFENSE PHASE

### Withdraw to Defensive Position (Lead Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Acquire targets

### Occupy Hasty Defense Position (Following Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Acquire targets

### Support Withdrawal of Lead Platoon (Following Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Load coaxial machinegun
8. Fire coaxial machinegun
9. Identify US and foreign equipment
10. Acquire targets
11. Rank targets according to potential danger
12. Sense rounds
13. Track targets
14. Range to target using laser rangefinder
15. Search for targets

## DEFEND POSITION PHASE

### Engage Targets of Opportunity

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight

5. Prepare to fire main gun
6. Engage targets with main gun
7. Load coaxial machinegun
8. Fire coaxial machinegun
9. Identify US and foreign equipment
10. Acquire targets
11. Rank targets according to potential danger
12. Sense rounds
13. Track targets

Mass Platoon Fire on Enemy Attack

1. Operate intercommunications equipment
2. Traverse turret using power control handle
3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Load coaxial machinegun
8. Fire coaxial machinegun
9. Identify US and foreign equipment
10. Acquire targets
11. Rank targets according to potential danger
12. Sense rounds
13. Track targets

DELIBERATE ATTACK

## SUPPRESSIVE FIRES PHASE

### Move to and Occupy Suppressive Fire Position (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Acquire targets

### Engage Enemy on Objective (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight
5. Engage targets with main gun
6. Identify US and foreign equipment
7. Acquire targets
8. Rank targets according to potential danger
9. Sense rounds
10. Track targets
11. Prepare to fire main gun
12. Range to target using laser rangefinder
13. Search for targets
14. Close ballistic shields

### Shift Suppressive Fires (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight
5. Engage targets with main gun
6. Identify US and foreign equipment
7. Acquire targets
8. Rank targets according to potential danger
9. Sense rounds
10. Track targets
11. Range to target using laser rangefinder
12. Search for targets

## FIRE AND MANEUVER PHASE

### Move to and Cross Line of Departure (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Load coaxial machinegun
8. Fire coaxial machinegun
9. Identify US and foreign equipment
10. Acquire targets
11. Rank targets according to potential danger
12. Sense rounds
13. Track targets
14. Range to target using laser rangefinder
15. Search for targets
16. Close ballistic shields

### Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight
5. Engage targets with main gun
6. Fire coaxial machinegun
7. Identify US and foreign equipment
8. Acquire targets
9. Rank targets according to potential danger
10. Sense rounds
11. Track targets
12. Range to target using laser rangefinder
13. Search for targets
14. Adjust Gunner's seat, browpads, and chestrest
15. Load coaxial machinegun

## ASSAULT PHASE

### Support Breeching Operation (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight
5. Engage targets with main gun
6. Fire coaxial machinegun
7. Identify US and foreign equipment
8. Acquire targets
9. Rank targets according to potential danger
10. Sense rounds
11. Track targets
12. Range to target using laser rangefinder
13. Search for targets
14. Load coaxial machinegun

### Conduct the Assault (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight
5. Engage targets with main gun
6. Fire coaxial machinegun
7. Identify US and foreign equipment
8. Acquire targets
9. Rank targets according to potential danger
10. Sense rounds
11. Track targets
12. Load coaxial machinegun
13. Range to target using laser rangefinder
14. Search for targets

EXPLOITATION AND PURSUIT

## MOVEMENT PHASE

### Traveling or Traveling Overwatch or Bounding Overwatch (Lead Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Acquire targets

### Traveling or Traveling Overwatch or Bounding Overwatch (Following Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Acquire targets

## ACTION ON CONTACT PHASE

### Immediate Action (Lead Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Fire coaxial machinegun
8. Identify US and foreign equipment
9. Rank targets according to potential danger
10. Sense rounds
11. Track targets
12. Range to target using laser rangefinder
13. Load coaxial machinegun
14. Acquire targets
15. Close ballistic shields
16. Search for targets

### Develop the Situation (Lead Platoon)

### Occupy Suppressive Fire Position (Following Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles



3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Identify US and foreign equipment
8. Rank targets according to potential danger
9. Sense rounds
10. Track targets
11. Acquire targets
12. Close ballistic shields
13. Search for targets
14. Range to target using laser rangefinder

GUNNER TASKS PERFORMED DURING EACH PLATOON OPERATION  
BY TEAM OPERATION AND TEAM OPERATION PHASE

DEFENSE

OCCUPY BATTLE POSITION

## MOVE TO BATTLE POSITION PHASE

### Move to Platoon Battle Position

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Acquire targets

## OCCUPY AND ORGANIZE BATTLE POSITION PHASE

### Occupy Platoon Battle Position

1. Operate intercommunications equipment
2. Traverse turret using power control handle
3. Elevate/depress main gun using power control handle
4. Acquire targets

### Organize Platoon Battle Position

1. Operate intercommunications equipment
2. Traverse turret using power control handle
3. Elevate/depress main gun using power control handle
4. Acquire targets
5. Manually input fire control data for manual parameters into ballistic computer
6. Manually input fire control data for automatic parameters into ballistic computer

DEFEND BATTLE POSITION

## SURVEILLANCE PHASE

### Maintain Surveillance in Platoon Sector

1. Operate intercommunications equipment
2. Identify US and foreign equipment
3. Acquire targets
4. Rank targets according to potential danger
5. Traverse turret using power control handles
6. Elevate/depress main gun using power control handles
7. Range to target using laser rangefinder
8. Search for targets

## INDIRECT FIRE PHASE

### Initiate Indirect Fires in Platoon Sector

1. Operate intercommunications equipment
2. Identify US and foreign equipment
3. Acquire targets
4. Rank targets according to potential risk
5. Traverse turret using power control handles
6. Elevate/depress main gun using power control handles
7. Range to target using laser rangefinder
8. Search for targets

## DIRECT FIRE PHASE

### Initiate Direct Fire in Platoon Sector

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on targets using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Load coaxial machinegun
8. Fire coaxial machinegun

Initiate Direct Fire in Platoon Sector, Continued

9. Identify US and foreign equipment
10. Acquire targets
11. Rank targets according to potential danger
12. Sense rounds
13. Track targets
14. Close ballistic shields
15. Range to target using laser rangefinder
16. Search for targets

FIRE AND MANEUVER PHASE

Conduct Fire and Maneuver

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Load coaxial machinegun
8. Fire coaxial machinegun
9. Identify US and foreign equipment
10. Acquire targets
11. Rank targets according to potential danger
12. Sense rounds
13. Track targets
14. Range to target using laser rangefinder
15. Search for targets

## COUNTERATTACK PHASE

### Engage Enemy on Objective (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handle
3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Identify US and foreign equipment
8. Acquire targets
9. Rank targets according to potential danger
10. Sense rounds
11. Track targets
12. Search for targets
13. Range to target using laser rangefinder

### Shift Suppressive Fires (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Identify US and foreign equipment
8. Acquire targets
9. Rank targets according to potential danger
10. Sense rounds
11. Track targets
12. Search for targets
13. Range to target using laser rangefinder



Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Adjust Gunner's seat, browpad, and chestrest
2. Operate intercommunications equipment
3. Traverse turret using power control handles
4. Elevate/depress main gun using power control handles
5. Lay gun on target using Gunner's primary sight
6. Engage targets with main gun
7. Fire coaxial machinegun
8. Identify US and foreign equipment
9. Acquire targets
10. Rank targets according to potential danger
11. Sense rounds
12. Track targets
13. Load coaxial machinegun
14. Close ballistic shields
15. Search for targets
16. Range to target using laser rangefinder

Conduct the Assault (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handle
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight
5. Prepare to fire the main gun
6. Engage targets with main gun
7. Fire coaxial machinegun
8. Load coaxial machinegun
9. Identify US and foreign equipment
10. Acquire targets
11. Rank targets according to potential danger
12. Sense rounds
13. Track targets
14. Search for targets
15. Range to target using laser rangefinder

DISPLACE TO ALTERNATE BATTLE POSITION

## MOVE TO ALTERNATE BATTLE POSITION PHASE

### Move to Platoon Battle Position

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Acquire targets

## OCCUPY AND ORGANIZE BATTLE POSITION PHASE

### Occupy Platoon Battle Position

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Acquire targets

### Organize Platoon Battle Position

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Acquire targets
5. Manually input fire control data for manual parameters into ballistic computer
6. Manually input fire control data for automatic parameters into ballistic computer

WITHDRAW

## COVERING FIRE PHASE

### Screening Smoke (Initial Withdrawal Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Load coaxial machinegun
8. Fire coaxial machinegun
9. Search for targets
10. Range to target using laser rangefinder
11. Close ballistic shields
12. Identify US and foreign equipment
13. Acquire targets
14. Rank targets according to potential danger
15. Sense rounds
16. Track targets

### Move to the Rear (Initial Withdrawal Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Acquire targets

## BREAKING CONTACT PHASE

### Initiate Suppressive Direct Fires (Covering Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun

Initiate Suppressive Direct Fires (Covering Platoon), Continued

7. Load coaxial machinegun
8. Fire coaxial machinegun
9. Close ballistic shields
10. Range to targets using laser rangefinder
11. Search for targets
12. Identify US and foreign equipment
13. Acquire targets
14. Rank targets according to potential danger
15. Sense rounds
16. Track targets

Screening Smoke (Covering Platoon)

1. Operate intercommunications equipment
2. Traverse turret with power control handles
3. Elevate/depress main gun with power control handles
4. Acquire targets
5. Lay on target using Gunner's primary sight
6. Prepare to fire main gun
7. Engage targets with main gun
8. Load coaxial machinegun
9. Fire coaxial machinegun
10. Identify US and foreign equipment
11. Rank targets according to potential danger
12. Sense rounds
13. Track targets
14. Close ballistic shields
15. Range to target using laser rangefinder
16. Search for targets

Move to the Rear (Covering Platoon)

1. Operate intercommunications equipment
2. Traverse turret with power control handles
3. Elevate/depress main gun with power control handles
4. Acquire targets

DELAY

## SURVEILLANCE PHASE

### Maintain Surveillance in Platoon Sector

1. Operate intercommunications equipment
2. Traverse turret with power control handles
3. Elevate/depress main gun with power control handles
4. Range to target using laser rangefinder
5. Search for targets
6. Prepare to fire main gun
7. Identify US and foreign equipment
8. Acquire targets
9. Rank targets according to potential danger

## INDIRECT FIRE PHASE

### Initiate Indirect Fire in Platoon Sector

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Range to target using laser rangefinder
5. Search for targets
6. Prepare to fire main gun
7. Identify US and foreign equipment
8. Acquire targets
9. Rank targets according to potential danger

## DIRECT FIRE PHASE

### Initiate Direct Fire in Platoon Sector

1. Operate intercommunications equipment
2. Traverse turret with power control handles
3. Elevate/depress main gun with power control handles
4. Lay on targets using gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun



Initiate Direct Fire in Platoon Sector, Continued

7. Load coaxial machinegun
8. Fire coaxial machinegun
9. Identify US and foreign equipment
10. Acquire targets
11. Rank targets according to potential danger
12. Sense rounds
13. Track targets
14. Close ballistic shields
15. Range to target using laser rangefinder
16. Search for targets

FIRE AND MANEUVER PHASE

Conduct Fire and Maneuver (Initial Withdrawal Platoon - High Risk Condition)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Identify US and foreign equipment
8. Acquire targets
9. Rank targets according to potential danger
10. Sense rounds
11. Track targets
12. Adjust Gunner's seat, browpad, and chestrest
13. Close ballistic shields
14. Search for targets
15. Range to target using laser rangefinder

Conduct Fire and Maneuver (Initial Withdrawal Platoon - Low Risk Condition)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Acquire targets

Conduct Fire and Maneuver (Covering Platoon - High Risk Condition)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Load coaxial machinegun
8. Fire coaxial machinegun
9. Identify US and foreign equipment
10. Acquire targets
11. Rank targets according to potential danger
12. Sense rounds
13. Track targets
14. Adjust Gunner's seat, browpad, and chestrest
15. Close ballistic shields
16. Search for targets
17. Range to target using laser rangefinder

Conduct Fire and Maneuver (Covering Platoon - Low Risk Condition)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Identify US and foreign equipment
8. Acquire targets
9. Rank targets according to potential danger
10. Sense rounds
11. Track targets
12. Adjust Gunner's seat, browpad, and chestrest
13. Close ballistic shields
14. Search for targets
15. Range to targets using laser rangefinder

## COUNTERATTACK PHASE

### Engage Enemy on Objective (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Identify US and foreign equipment
8. Acquire targets
9. Rank targets according to potential danger
10. Sense rounds
11. Track targets
12. Search for targets
13. Range to target using laser rangefinder

### Shift Suppressive Fires (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on targets using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Identify US and foreign equipment
8. Acquire targets
9. Rank targets according to potential danger
10. Sense rounds
11. Track targets
12. Search for targets
13. Range to target using laser rangefinder

Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Adjust Gunner's seat, browpad, and chestrest
5. Lay gun on target using Gunner's primary sight
6. Engage target with main gun
7. Fire coaxial machinegun
8. Identify US and foreign equipment
9. Acquire targets
10. Rank targets according to potential danger
11. Sense rounds
12. Track targets
13. Load coaxial machinegun
14. Close ballistic shield
15. Search for targets
16. Range to target using laser rangefinder

Conduct the Assault (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Fire coaxial machinegun
8. Load coaxial machinegun
9. Identify US and foreign equipment
10. Acquire targets
11. Rank targets according to potential danger
12. Sense rounds
13. Track targets
14. Search for targets
15. Range to target using laser rangefinder

## WITHDRAWAL PHASE

### Screening Smoke (Initial Withdrawal Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Acquire targets

### Break Contact

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Acquire targets

### Move to Successive Delay Position

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Acquire targets

### Organize Successive Delay Position

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Acquire targets

### Support Withdrawing Platoon (Covering Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun

Support Withdrawing Platoon (Covering Platoon), Continued

7. Load coaxial machinegun
8. Fire coaxial machinegun
9. Identify US and foreign equipment
10. Acquire targets
11. Rank targets according to potential danger
12. Sense rounds
13. Track targets
14. Search for targets
15. Range to target using laser rangefinder

Screening Smoke (Covering Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Acquire targets

COUNTERATTACK

## SUPPRESSIVE FIRE PHASE

### Engage Enemy on Objective (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Identify US and foreign equipment
8. Acquire targets
9. Rank targets according to potential danger
10. Sense rounds
11. Track targets
12. Search for targets
13. Range to target using laser rangefinder

### Shift Suppressive Fires (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Identify US and foreign equipment
8. Acquire targets
9. Rank targets according to potential danger
10. Sense rounds
11. Track targets
12. Search for targets
13. Range to targets using laser rangefinder



## FIRE AND MANEUVER PHASE

### Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Adjust Gunner's seat, browpad, and chestrest
5. Lay gun on target using Gunner's primary sight
6. Engage target with main gun
7. Fire coaxial machinegun
8. Identify US and foreign equipment
9. Acquire targets
10. Rank targets according to potential danger
11. Sense rounds
12. Track targets
13. Load coaxial machinegun
14. Close ballistic shields
15. Search for targets
16. Range to target using laser rangefinder

### Conduct the Assault (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Fire coaxial machinegun
8. Load coaxial machinegun
9. Identify US and foreign equipment
10. Acquire targets
11. Rank targets according to potential danger
12. Sense rounds
13. Track targets
14. Search for targets
15. Range to target using laser rangefinder

GUNNER TASKS PERFORMED DURING EACH PLATOON OPERATION  
BY TEAM OPERATION AND TEAM OPERATION PHASE

SUPPORT

OCCUPY REAR ASSEMBLY AREA

## MOVE INTO ASSEMBLY AREA PHASE

### Move Into Platoon Area

1. Operate intercommunications equipment

## ORGANIZE DEFENSE OF ASSEMBLY AREA PHASE

### Organize Defense of Platoon Area

1. Operate intercommunications equipment
2. Elevate/depress main gun using power control handles
3. Traverse turret using power control handles

## CONDUCT SUSTAINING ACTIONS PHASE

### Conduct Platoon Sustaining Actions

1. Enter Gunner's station
2. Adjust Gunner's seat, browpads, & chestrest
3. Perform before-operations maintenance checks and services on Gunner's station
4. Test GPS and TIS panel lights
5. Prepare gunner's primary sight for operation
6. Prepare thermal imaging system for operation
7. Focus thermal imaging system for operation
8. Prepare laser rangefinder for operation
9. Prepare Gunner's auxiliary sight for operation
10. Prepare ballistic computer for operation
11. Test Gunner's station caution and warning lights
12. Perform GPS functional check
13. Perform computer self-test
14. Perform thermal imaging system built-in test
15. Perform gun/turret drive--LOS tracking check
16. Perform lead system check
17. Perform firing circuit tests
18. Perform boresighting check
19. Align muzzle reference sensor
20. Perform crosswind sensor check
21. Perform computer data check
22. Perform cant unit check

23. Perform lead accuracy check
24. Perform superelevation check
25. Identify malfunctions in fire control & weapon system
26. Take recommended actions to correct malfunctions
27. Notify TC if recommended corrective actions do not correct
28. Traverse turret using power control handles
29. Elevate/depress main gun using power control handle
30. Manually input fire control data for manual parameters into ballistic computer
31. Manually input fire control data for auto parameters into ballistic computer
32. Boresight Gunner's auxiliary sight
33. Boresight Gunner's primary sight
34. Boresight muzzle reference sensor
35. Boresight thermal imaging system
36. Confirm tank main gun zero
37. Operate intercommunications equipment
38. Prepare intercommunications equipment
39. Manually input fire control data for toggle input parameters into ballistic computer
40. Power down and secure Gunner's station
41. Verify tank main gun zero
42. Zero coaxial machinegun
43. Zero tank main gun
44. Range to target using laser rangefinder
45. Remove coaxial machinegun
46. Install coaxial machinegun
47. Perform before-operations maintenance checks and services on gunner's machinegun

OCCUPY FORWARD ASSEMBLY AREA

## MOVE INTO ASSEMBLY AREA PHASE

### Move Into Platoon Area

1. Operate intercommunications equipment

## ORGANIZE DEFENSE OF ASSEMBLY AREA PHASE

### Organize Defense of Platoon Area

1. Traverse turret using power control handles
2. Operate intercommunications equipment
3. Elevate/depress main gun using power control handles

## CONDUCT SUSTAINING ACTIONS PHASE

### Conduct Platoon Sustaining Actions

1. Enter Gunner's station
2. Adjust Gunner's seat, browpads, & chestrest
3. Perform before-operations maintenance checks and services on Gunner's station
4. Test GPS and TIS panel lights
5. Prepare Gunner's primary sight for operation
6. Prepare thermal imaging system for operation
7. Focus thermal imaging system for operation
8. Prepare laser rangefinder for operation
9. Prepare gunner's auxiliary sight for operation
10. Prepare ballistic computer for operation
11. Test Gunner's station caution and warning lights
12. Perform GPS functional check
13. Perform computer self-test
14. Perform thermal imaging system built-in test
15. Perform gun/turret drive--LOS tracking check
16. Perform lead system check
17. Perform firing circuit tests
18. Perform boresighting check
19. Align muzzle reference sensor
20. Perform crosswind sensor check
21. Perform computer data check
22. Perform cant unit check

23. Perform lead accuracy check
24. Perform superelevation check
25. Identify malfunctions in fire control & weapon systems
26. Take recommended actions to correct malfunctions
27. Notify TC if recommended corrective actions do not correct
28. Traverse turret using power control handles
29. Elevate/depress main gun using power control handle
30. Manually input fire control data for manual parameter into ballistic computer
31. Manually input fire control data for auto parameter into ballistic computer
32. Boresight Gunner's auxiliary sight
33. Boresight Gunner's primary sight
34. Boresight muzzle reference sensor
35. Boresight thermal imaging system
36. Confirm tank main gun zero
37. Operate intercommunications equipment
38. Manually input fire control data for toggle input parameters into ballistic computer
39. Power down and secure Gunner's station
40. Verify main gun zero
41. Zero coaxial machinegun
42. Zero tank main gun
43. Range to target using laser rangefinder
44. Remove coaxial machinegun
45. Install coaxial machinegun
46. Prepare intercommunications equipment
47. Perform before-operations maintenance checks and services on gunner's machinegun



PLAN OFFENSIVE OPERATIONS

## RECEIPT OF WARNING ORDER PHASE

### Receipt of Warning Order

1. Enter Gunner's station
2. Operate intercommunications equipment
3. Perform before-operations maintenance checks and services on Gunner's station

## RECEIPT OF OPERATION ORDER PHASE

### Receipt of Operation Order

1. Enter Gunner's station
2. Operate intercommunications equipment
3. Perform before-operations maintenance checks and services on Gunner's station

## COMPLETE READINESS PHASE

### Complete Readiness Actions

1. Enter Gunner's station
2. Prepare intercommunications equipment
3. Operate intercommunications equipment
4. Perform before-operations maintenance checks and services on Gunner's station
5. Test GPS and TIS panel lights
6. Prepare Gunner's primary sight for operation
7. Prepare thermal imaging system for operation
8. Focus thermal imaging system picture
9. Prepare laser rangefinder for operation
10. Prepare Gunner's auxiliary sight for operation
11. Prepare ballistic computer for operation
12. Test Gunner's station caution and warning lights
13. Perform GPS functional check
14. Perform computer self-test
15. Perform thermal imaging system built-in test
16. Perform gun/turret drive--LOS tracking check
17. Perform lead system check
18. Perform firing circuit tests

19. Perform boresighting check
20. Align muzzle reference sensor
21. Perform crosswind sensor check
22. Perform computer data check
23. Perform cant unit check
24. Perform lead accuracy check
25. Perform superelevation check
26. Traverse turret using power control handles
27. Elevate/depress main gun using power control handle
28. Adjust Gunner's seat, browpads, and chestrest
29. Manually input fire control data for automatic parameters into ballistic computer
30. Manually input fire control data for manual parameters into ballistic computer
31. Power down and secure Gunner's station
32. Prepare coaxial machinegun for travel
33. Prepare main gun for travel
34. Take recommended actions to correct malfunctions
35. Notify TC if recommended corrective actions do not correct
36. Perform before-operations maintenance checks and services on gunner's machinegun

PLAN DEFENSIVE OPERATIONS

## RECEIPT OF WARNING ORDER PHASE

### Receipt of Warning Order

1. Enter Gunner's station
2. Operate intercommunications equipment
3. Perform before-operations maintenance checks and services on Gunner's station

## RECEIPT OF OPERATION ORDER PHASE

### Receipt of Operation Order

1. Enter Gunner's station
2. Operate intercommunications equipment
3. Perform before-operations maintenance checks and services on Gunner's station

## COMPLETE READINESS PHASE

### Complete Platoon Readiness Actions

1. Enter Gunner's station
2. Prepare intercommunications equipment
3. Operate intercommunications equipment
4. Perform before-operations maintenance checks and services on Gunner's station
5. Test GPS and TIS panel lights
6. Prepare Gunner's station
7. Prepare thermal imaging system for operation
8. Focus thermal imaging system picture
9. Prepare laser rangefinder for operation
10. Prepare Gunner's auxiliary sight for operation
11. Prepare ballistic computer for operation
12. Test Gunner's station caution and warning lights
13. Perform GPS functional check
14. Perform computer self-test
15. Perform thermal imaging system built-in test
16. Perform gun/turret drive--LOS tracking check
17. Perform lead system check
18. Perform firing circuit tests

19. Perform boresighting check
20. Align muzzle reference sensor
21. Perform crosswind sensor check
22. Perform computer data check
23. Perform cant unit check
24. Perform lead accuracy check
25. Perform superelevation check
26. Traverse turret using power control handles
27. Elevate/depress main gun using power control handle
28. Adjust Gunner's seat, browpads, and chestrest
29. Manually input fire control data for automatic parameters into ballistic computer
30. Manually input fire control data for manual parameters into ballistic computer
31. Power down Gunner's station
32. Prepare coaxial machinegun for travel
33. Prepare main gun for travel
34. Take recommended actions to correct malfunctions
35. Notify TC if recommended corrective actions do not correct
36. Perform before-operations maintenance checks and services on Gunner's machinegun

ADMINISTRATIVE ROAD MARCH

TACTICAL ROAD MARCH



DEPART OLD AREA PHASE

Depart Old Area

1. Enter Gunner's station
2. Adjust Gunner's seat, browpads, and chestrest
3. Operate intercommunications equipment

MOVEMENT PHASE

Move Along Route

1. Operate intercommunications equipment

ARRIVE NEW AREA PHASE

Arrive New Area

1. Operate intercommunications equipment

TACTICAL MOVEMENT

CONDUCT TACTICAL MOVEMENT PHASE

Traveling or Traveling Overwatch or Bounding Overwatch (Lead Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Acquire targets

Traveling or Traveling Overwatch or Bounding Overwatch (Following Platoon)

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Acquire targets

CONSOLIDATE ON OBJECTIVE

## SWEEP ENEMY FROM OBJECTIVE PHASE

### Sweep Enemy From Platoon Sector

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handles
4. Lay on target using Gunner's primary sight
5. Prepare to fire main gun
6. Engage targets with main gun
7. Load coaxial machinegun
8. Fire coaxial machinegun
9. Identify US and foreign equipment
10. Acquire targets
11. Rank targets according to potential danger
12. Sense rounds
13. Track targets
14. Search for targets

## PREPARE FOR ENEMY COUNTERATTACK PHASE

### Prepare for Enemy Counterattack

1. Operate intercommunications equipment
2. Traverse turret using power control handles
3. Elevate/depress main gun using power control handle
4. Acquire targets

## PREPARE TO CONTINUE ATTACK PHASE

### Prepare to Continue Attack

1. Prepare intercommunications equipment
2. Operate intercommunications equipment
3. Perform before-operations maintenance checks and services on Gunner's station
4. Manually input fire control data for automatic parameters into ballistic computer
5. Manually input fire control data for manual parameters into ballistic computer
6. Test GPS and TIS panel lights

DEPART OLD AREA PHASE

Depart Old Area

1. Enter Gunner's station
2. Adjust Gunner's seat, browpads, and chestrest
3. Operate intercommunications equipment

MOVEMENT PHASE

Move Along Route

1. Operate intercommunications equipment

ARRIVE NEW AREA PHASE

Arrive New Area

1. Operate intercommunications equipment

7. Test Gunner's station caution and warning lights
8. Identify malfunctions in fire control and weapon system
9. Take recommended actions to correct malfunctions
10. Notify TC if recommended corrective actions do not correct malfunctions in fire control and weapon system
11. Perform before-operations maintenance checks and services on gunner's machinegun

REORGANIZE



CONDUCT RESUPPLY PHASE

Receive Class I, III, and V Supplies

PERFORM MAINTENANCE PHASE

Perform Maintenance and Emergency Repairs

1. Perform before-operations maintenance checks and services on Gunner's station
2. Take recommended actions to correct malfunctions
3. Notify TC if recommended corrective actions do not correct malfunctions in fire control and weapon system
4. Perform before-operations maintenance checks and services on Gunner's machinegun

REESTABLISH COMMUNICATIONS PHASE

Reestablish Communications with TC

1. Prepare intercommunications equipment
2. Operate intercommunications equipment

REASSIGN PERSONNEL PHASE

Reassign Personnel

APPENDIX C  
DRIVER TASKS

DRIVER TASKS PERFORMED DURING EACH PLATOON OPERATION  
BY TEAM OPERATION AND TEAM OPERATION PHASE

OFFENSE

MOVEMENT TO CONTACT

## MOVEMENT PHASE

### Traveling or Traveling Overwatch or Bounding Overwatch (Lead Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Check Driver's instrument panel switches and gauges
6. Operate Driver's night vision viewer
7. Operate personnel heater - fan and heater
8. Drive tank up and down hills
9. Drive tank over obstacles
10. Drive tank across ditches
11. Use infrared lenses
12. Maintain correct speed
13. Perform at-halt maintenance checks and services
14. Perform during-operations checks
15. Select route providing a stable firing platform
16. Select a firing position
17. Acquire targets
18. Perform fuel transfer procedures

### Traveling or Traveling Overwatch or Bounding Overwatch (Following Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Check Driver's instrument panel and switches
6. Operate Driver's night vision viewer
7. Drive tank up and down hills
8. Drive tank over obstacles
9. Drive tank across ditches
10. Operate personnel heater - fan and heater
11. Use infrared lenses
12. Maintain correct speed
13. Perform at-halt maintenance checks and services
14. Perform during-operations checks
15. Select route providing a stable firing platform

16. Select a firing position
17. Acquire targets
18. Perform fuel transfer procedures

## ACTION ON CONTACT PHASE

### Immediate Action (Lead Platoon)

1. Operate intercommunications equipment
2. Steer the tank
3. Brake the tank
4. Use infrared lenses
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Check the Driver's instrument panel switches and gauges
9. Place tank in motion
10. Close Driver's hatch
11. Perform during-operations checks
12. Select route providing a stable firing platform
13. Select a firing position
14. Perform evasive maneuvers
15. Identify US and foreign equipment
16. Acquire targets
17. Sense rounds
18. Use infrared lenses
19. Seek defilade position
20. Operate Driver's night vision viewer
21. Operate personnel heater - fan only

### Develop the Situation (Lead Platoon)

### Occupy Suppressive Fire Position (Following Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform during-operations checks
9. Check the Driver's instrument panel and gauges
10. Close Driver's hatch
11. Operate personnel heater - fan only

12. Use infrared lenses
13. Operate Driver's night vision viewer
14. Maintain correct speed
15. Select a firing position



HASTY ATTACK

## SUPPRESSIVE FIRE PHASE

### Engage Enemy on Objective (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Check Driver's instrument panel switches and gauges
6. Operate personnel heater - fan only
7. Perform during-operations checks
8. Select a firing position
9. Perform evasive maneuvers
10. Seek defilade position

### Shift Suppressive Fires (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Operate Driver's instrument panel switches and gauges
6. Operate personnel heater - fan only
7. Seek defilade position
8. Perform during-operations checks
9. Select a firing position
10. Perform evasive maneuvers
11. Acquire targets

## FIRE AND MANEUVER PHASE

### Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Use infrared lenses
6. Operate Driver's night vision viewer
7. Operate personnel heater - fan only
8. Check the Driver's instrument panel switches and gauges

9. Open Driver's hatch and adjust Driver's seat and periscope
10. Close Driver's hatch
11. Drive tank up and down hills
12. Drive tank over obstacles
13. Drive tank across ditches
14. Seek defilade position
15. Perform during-operations checks
16. Maintain correct speed
17. Select route providing a stable firing platform
18. Select a firing position
19. Perform evasive maneuvers
20. Identify US and foreign equipment
21. Acquire targets
22. Sense rounds

Conduct the Assault (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform during-operations checks
9. Maintain correct speed
10. Select route providing a stable firing platform
11. Select a firing position
12. Perform evasive maneuvers
13. Identify US and foreign equipment
14. Acquire targets
15. Sense rounds
16. Seek defilade position
17. Use infrared lenses
18. Operate Driver's night vision viewer
19. Operate personnel heater - fan only
20. Check the Driver's instrument panel switches and gauges
21. Close Driver's hatch
22. Open Driver's hatch and adjust Driver's seat and periscope

BYPASS

o

## SUPPRESSIVE FIRES PHASE

### Engage Enemy on Objective (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Perform during-operations checks
6. Select a firing position
7. Check Driver's instrument panel switches and gauges
8. Operate personnel heater - fan only
9. Perform evasive maneuvers
10. Seek defilade position

### Suppress Enemy Direct Fires (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Perform evasive maneuvers
6. Perform during-operations checks
7. Select a firing position
8. Check Driver's instrument panel switches
9. Operate personnel heater - fan only
10. Seek defilade position

CONTINUE BYPASS AND CONTINUE MOVEMENT TO CONTACT PHASE

### Bypass Enemy Position (Following Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Drive tank up and down hills
5. Drive tank over obstacles
6. Drive tank across ditches
7. Brake the tank
8. Check Driver's instrument panel switches and gauges
9. Operate personnel heater - fan and heater

10. Operate Driver's night vision viewer
11. Use infrared lenses
12. Open Driver's hatch and adjust Driver's seat and periscope
13. Perform during-operations checks
14. Maintain correct speed
15. Select route providing a stable firing platform
16. Select a firing position
17. Acquire targets

Continue Movement to Contact (Following Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Drive tank up and down hills
4. Drive tank over obstacles
5. Drive tank across ditches
6. Steer the tank
7. Brake the tank
8. Perform during-operations checks
9. Check Driver's instrument panel switches and gauges
10. Operate personnel heater - fan and heater
11. Operate Driver's night vision viewer
12. Use infrared lenses
13. Open Driver's hatch and adjust Driver's seat and periscope
14. Maintain correct speed
15. Select route providing a stable firing platform
16. Select a firing position

HOLDING

## OCCUPY HASTY DEFENSE PHASE

### Withdraw to Defensive Position (Lead Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Check the Driver's instrument panel switches and gauges
9. Operate Driver's night vision viewer
10. Operate personnel heater fan and heater
11. Use infrared viewer
12. Close Driver's hatch
13. Seek defilade position
14. Perform during-operations checks
15. Select route providing a stable firing platform
16. Select a firing position
17. Perform evasive maneuvers
18. Acquire targets

### Occupy Hasty Defense Position (Following Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Check Driver's instrument panel switches
9. Close Driver's hatch
10. Operate personnel heater-fan and heater
11. Perform during-operations checks
12. Select a firing position
13. Perform evasive maneuvers
14. Acquire targets



Support Withdrawal of Lead Platoon (Following Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Check Driver's instrument panel switches and gauges
6. Operate personnel heater - fan only
7. Perform evasive maneuvers
8. Seek defilade position
9. Perform during-operations checks
10. Select a firing position

DEFEND POSITION PHASE

Engage Targets of Opportunity

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Check Driver's instrument panel switches and gauges
6. Operate personnel heater - fan only
7. Perform evasive maneuvers
8. Seek defilade position
9. Perform during-operations checks
10. Select a firing position

Mass Platoon Fire on Enemy Attack

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Check Driver's instrument panel switches and gauges
6. Operate personnel heater - fan only
7. Perform evasive maneuvers
8. Seek defilade
9. Perform during-operations checks
10. Select a firing position

DELIBERATE ATTACK

## SUPPRESSIVE FIRES PHASE

### Move to and Occupy Suppressive Fire Position (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Perform during-operations checks
6. Check Driver's instrument panel switches and guages
7. Operate Driver's night vision viewer
8. Operate personnel heater - fan and heater
9. Use infrared lenses
10. Close Driver's hatch
11. Drive tank up and down hills
12. Drive tank over obstacles
13. Drive tank across ditches
14. Select route providing a stable firing platform
15. Select a firing position
16. Acquire targets

### Engage Enemy on Objective (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Check Driver's instrument panel switches and guages
6. Operate personnel heater - fan only
7. Seek defilade position
8. Perform during-operations checks
9. Select a firing position
10. Perform evasive maneuvers

Shift Suppressive Fires (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Check Driver's instrument panel switches and gauges
6. Operate personnel heater - fan only
7. Perform during-operations checks
8. Perform evasive maneuvers
9. Seek defilade position

FIRE AND MANEUVER PHASE

Move to and Cross Line of Departure (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Use infrared lenses
9. Operate Driver's night vision viewer
10. Operate personnel heater - fan only
11. Check the Driver's instrument panel switches and gauges
12. Maintain correct speed
13. Select route providing a stable firing platform
14. Select a firing position
15. Perform during-operations checks

Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Use infrared lenses
9. Operate Driver's night vision viewer
10. Operate personnel heater - fan only
11. Check the Driver's instrument panel switches and gauges
12. Maintain correct speed
13. Select route providing a stable firing platform
14. Select a firing position
15. Perform during-operations checks

Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Use infrared lenses
9. Operate Driver's night vision viewer
10. Operate personnel heater - fan only
11. Check the Driver's instrument panel switches and gauges
12. Seek defilade position
13. Perform during-operations checks
14. Maintain correct speed
15. Select route providing a stable firing platform
16. Select a firing position
17. Perform evasive maneuvers
18. Identify US and foreign equipment
19. Acquire targets
20. Sense rounds

## ASSAULT PHASE

### Support Breeching Operation (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Use infrared lenses
9. Operate Driver's night vision viewer
10. Operate personnel heater - fan only
11. Check the Driver's instrument panel switches and gauges
12. Perform during-operations checks
13. Maintain correct speed
14. Select route providing a stable firing platform
15. Select a firing position
16. Perform evasive maneuvers
17. Identify US and foreign equipment
18. Acquire targets
19. Sense rounds
20. Seek defilade position

### Conduct the Assault (Fire and Maneuver Phase)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Operate personnel heater - fan only
9. Use infrared lenses
10. Use Driver's night vision viewer
11. Check the Driver's instrument panel switches and gauges
12. Perform during-operations checks

13. Maintain correct speed
14. Select route providing a stable firing platform
15. Select a firing position
16. Perform evasive maneuvers
17. Identify US and foreign equipment
18. Acquire targets
19. Sense rounds
20. Seek defilade position
21. Close Driver's hatch

EXPLOITATION AND PURSUIT



## MOVEMENT PHASE

### Traveling or Traveling Overwatch or Bounding Overwatch (Lead Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Check Driver's instrument panel switches and gauges
9. Operate Driver's night vision viewer
10. Use infrared lenses
11. Operate personnel heater - fan and heater
12. Perform at-halt maintenance checks and services
13. Perform during operations checks
14. Select route providing a stable firing platform
15. Select a firing position
16. Acquire targets
17. Provide fuel transfer procedures

### Traveling or Traveling Overwatch or Bounding Overwatch (Following Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Check Driver's instrument panel switches and gauges
6. Operate Driver's night vision viewer
7. Drive tank up and down hills
8. Drive tank over obstacles
9. Drive tank across ditches
10. Use infrared lenses
11. Operate personnel heater - fan and heater
12. Perform at-halt maintenance checks and services
13. Perform during-operations checks
14. Select route providing a stable firing platform
15. Select a firing position
16. Acquire targets
17. Provide fuel transfer procedures

## ACTION ON CONTACT PHASE

### Immediate Action (Lead Platoon)

1. Operate intercommunications equipment
2. Steer the tank
3. Brake the tank
4. Use infrared lenses
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Check Driver's instrument panel switches and gauges
9. Place tank in motion
10. Close Driver's hatch
11. Operate Driver's night vision viewer
12. Use infrared lenses
13. Operate personnel heater - fan only
14. Perform during-operations checks
15. Select route providing a stable firing platform
16. Select a firing position
17. Perform evasive maneuvers
18. Identify US and foreign equipment
19. Acquire targets
20. Sense rounds
21. Seek defilade position

### Develop the Situation (Lead Platoon)

### Occupy Suppressive Fire Position (Following Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Check the Driver's instrument panel switches and gauges
9. Close the Driver's hatch
10. Operate personnel heater - fan only

11. Use infrared lenses
12. Operate Driver's night vision viewer
13. Perform during-operations checks
14. Maintain correct speed
15. Select a firing position

DRIVER TASKS PERFORMED DURING EACH PLATOON OPERATION  
BY TEAM OPERATION AND TEAM OPERATION PHASE

DEFENSE

OCCUPY BATTLE POSITION

## MOVE TO BATTLE POSITION PHASE

### Move to Platoon Battle Position

1. Operate intercommunications equipment
2. Check Driver's instrument panel switches and gauges
3. Perform during-operations checks
4. Select a firing position
5. Place tank in motion
6. Steer the tank
7. Brake the tank
8. Operate personnel heater - fan and heater
9. Use infrared lenses
10. Operate Driver's night vision viewer
11. Drive tank up and down hills
12. Drive tank over obstacles
13. Drive tank across ditches
14. Perform at-halt maintenance checks and services
15. Maintain correct speed
16. Select route providing a stable firing platform
17. Acquire targets
18. Perform fuel transfer procedures

## OCCUPY AND ORGANIZE BATTLE POSITION PHASE

### Occupy Platoon Battle Position

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Check Driver's instrument panel switches and gauges
6. Operate personnel heater - fan and heater
7. Use infrared lenses
8. Drive tank up and down hills
9. Drive tank over obstacles
10. Drive tank across ditches
11. Operate Driver's night vision viewer
12. Perform during-operations checks
13. Maintain correct speed

Organize Platoon Battle Position

1. Operate intercommunications equipment
2. Check Driver's instrument panel switches and gauges
3. Place tank in motion
4. Steer the tank
5. Brake the tank
6. Operate personnel heater - fan and heater
7. Close Driver's hatch
8. Refuel tank
9. Perform after-operations checks
10. Select a firing position
11. Complete silent watch duty cycle
12. Shut down engine
13. Power down hull system

DEFEND BATTLE POSITION



## SURVEILLANCE PHASE

### Maintain Surveillance in Platoon Sector

1. Operate intercommunications equipment
2. Start engine
3. Operate personnel heater - fan and heater
4. Complete silent watch duty cycle
5. Shut down engine
6. Power down hull system
7. Perform during-operations checks
8. Check Driver's instrument panel switches and gauges

## INDIRECT FIRE PHASE

### Initiate Indirect Fires in Platoon Sector

1. Operate intercommunications equipment
2. Start engine
3. Operate personnel heater - fan and heater
4. Check Driver's instrument panel switches and gauges
5. Perform during-operations checks

## DIRECT FIRE PHASE

### Initiate Direct Fire in Platoon Sector

1. Operate intercommunications equipment
2. Operate personnel heater - fan only
3. Place tank in motion
4. Steer the tank
5. Brake the tank
6. Check Driver's instrument panel switches and gauges
7. Perform during-operations checks
8. Select a firing position
9. Perform evasive maneuvers
10. Seek defilade position

## FIRE AND MANEUVER PHASE

### Conduct Fire and Maneuver

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform during-operations checks
9. Select route providing a stable firing platform
10. Select a firing position
11. Identify US and foreign equipment
12. Acquire targets
13. Sense rounds
14. Use infrared lenses
15. Operate Driver's night vision viewer
16. Operate personnel heater - fan only
17. Check the Driver's instrument panel switches and gauges
18. Open Driver's hatch and adjust Driver's seat and periscope
19. Maintain correct speed
20. Perform evasive maneuvers
21. Seek defilade position

## COUNTERATTACK PHASE

### Engage Enemy on Objective (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Perform during-operations checks
6. Select a firing position
7. Check Driver's instrument panel switches and gauges
8. Operate personnel heater - fan only
9. Perform evasive maneuvers
10. Seek defilade position

Shift Suppressive Fires (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Perform during-operations checks
6. Select a firing position
7. Check Driver's instrument panel switches and gauges
8. Operate personnel heater - fan only
9. Perform evasive maneuvers
10. Engage enemy on objective

Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform during-operations checks
9. Select route providing a stable firing platform
10. Select a firing position
11. Identify US and foreign equipment
12. Acquire targets
13. Sense rounds
14. Use infrared lenses
15. Operate Driver's night vision viewer
16. Operate personnel heater - fan only
17. Check Driver's instrument panel switches and gauges
18. Open Driver's hatch and adjust Driver's seat and platform
19. Maintain correct speed
20. Perform evasive maneuvers
21. Seek defilade position

Conduct the Assault (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Place tank in motion

3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform during-operations
9. Select route providing a stable firing pl. tform
10. Select a firing position
11. Identify US and foreign equipment
12. Acquire targets
13. Sense rounds
14. Use infrared lenses
15. Operate Driver's night vision viewer
16. Operate personnel heater - fan only
17. Check Driver's instrument panel switches and guages
18. Close Driver's hatch
19. Maintain correct speed
20. Perform evasive maneuvers
21. Seek defilade position

DISPLACE TO ALTERNATE BATTLE POSITION

## MOVE TO ALTERNATE BATTLE POSITION PHASE

### Move to Platoon Battle Position

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Use infrared lenses
6. Operate Driver's night vision viewer
7. Drive tank up and down hills
8. Drive tank over obstacles
9. Drive tank across ditches
10. Select route providing a stable firing platform
11. Acquire targets
12. Perform during-operations checks
13. Select a firing position
14. Operate personnel heater - fan and heater
15. Maintain correct speed
16. Perform at-halt maintenance checks and services
17. Perform fuel transfer procedures

## OCCUPY AND ORGANIZE BATTLE POSITION PHASE

### Occupy Platoon Battle Position

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Operate personnel heater - fan and heater
6. Use infrared lenses
7. Operate Driver's night vision viewer
8. Perform during-operations checks
9. Drive tank up and down hills
10. Drive tank over obstacles
11. Drive tank across ditches
12. Check Driver's instrument panel switches and gauges
13. Maintain correct speed

### Organize Platoon Battle Position

1. Operate intercommunications equipment
2. Check the Driver's instrument panel switches and guages
3. Place tank in motion
4. Steer the tank
5. Brake the tank
6. Operate personnel heater - fan and heater
7. Close Driver's hatch
8. Refuel tank
9. Perform after-operations checks
10. Select a firing position
11. Complete silent watch duty cycle
12. Shut down engine
13. Power down hull system

WITHDRAW



## COVERING FIRE PHASE

### Screening Smoke (Initial Withdrawal Platoon)

1. Open Driver's hatch and adjust Driver's seat and periscope
2. Operate intercommunications equipment
3. Place tank in motion
4. Steer the tank
5. Brake the tank
6. Operate personnel heater - fan only
7. Check Driver's instrument panel switches and gauges
8. Operate Driver's night vision viewer
9. Perform during-operations checks
10. Close Driver's hatch
11. Operate smoke generator
12. Select a firing position
13. Perform evasive maneuvers
14. Use infrared lenses
15. Seek defilade position

### Move to the Rear (Initial Withdrawal Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Check Driver's instrument panel switches and gauges
6. Operate personnel heater - fan and heater
7. Drive tank up and down hills
8. Drive tank over obstacles
9. Drive tank across ditches
10. Operate Driver's night vision viewer
11. Perform during-operations checks
12. Use infrared lenses
13. Select route providing a stable firing platform
14. Select a firing position
15. Perform evasive maneuvers
16. Acquire targets
17. Seek defilade position
18. Maintain correct speed
19. Open Driver's hatch and adjust Driver's seat and periscope

## BREAKING CONTACT PHASE

### Initiate Suppressive Direct Fires (Covering Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Perform during-operations checks
6. Select a firing position
7. Check Driver's instrument panel switches and gauges
8. Operate personnel heater - fan only
9. Perform evasive maneuvers
10. Seek defilade position

### Screening Smoke (Covering Platoon)

1. Open Driver's hatch and adjust Driver's seat and periscope
2. Operate intercommunications equipment
3. Place tank in motion
4. Steer the tank
5. Brake the tank
6. Operate personnel heater - fan only
7. Close Driver's hatch
8. Select firing position
9. Check Driver's instrument panel switches and gauges
10. Operate Driver's night vision viewer
11. Perform during-operations checks
12. Operate smoke generator
13. Use infrared lenses
14. Perform evasive maneuvers
15. Seek defilade position

Move to the Rear (Covering Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Operate personnel heater - fan and heater
6. Drive tank up and down hills
7. Drive tank over obstacles
8. Drive tank across ditches
9. Select route providing a stable firing platform
10. Select a firing position
11. Acquire targets
12. Check Driver's instrument panel switches and gauges
13. Operate Driver's night vision viewer
14. Perform during-operations checks
15. Use infrared lenses
16. Open Driver's hatch and adjust Driver's seat and periscope
17. Perform evasive maneuvers
18. Seek defilade position
19. Maintain correct speed

**DELAY**

## SURVEILLANCE PHASE

### Maintain Surveillance in Platoon Sector

1. Operate intercommunications equipment
2. Start engine
3. Operate personnel heater - fan and heater
4. Complete silent watch duty cycle
5. Shut down engine
6. Power down hull system
7. Perform during-operations checks
8. Check Driver's instrument panel switches and gauges

## INDIRECT FIRE PHASE

### Initiate Indirect Fires in Platoon Sector

1. Operate intercommunications equipment
2. Start engine
3. Operate personnel heater - fan and heater
4. Check Driver's instrument panel switches and gauges
5. Perform during-operations checks

## DIRECT FIRE PHASE

### Initiate Direct Fires in Platoon Sector

1. Operate intercommunications equipment
2. Operate personnel heater - fan only
3. Place tank in motion
4. Steer the tank
5. Brake the tank
6. Check Driver's instrument panel switches and gauges
7. Perform during-operations checks
8. Select a firing position
9. Perform evasive maneuvers
10. Seek defilade position

## FIRE AND MANEUVER PHASE

### Conduct Fire and Maneuver (Initial Withdrawing Platoon - High Risk Condition)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform during-operations checks
9. Select route providing a stable firing platform
10. Select a firing position
11. Identify US and foreign equipment
12. Acquire targets
13. Sense rounds
14. Use infrared lenses
15. Operate Driver's night vision viewer
16. Operate personnel heater - fan only
17. Check the Driver's instrument panel switches and gauges
18. Open Driver's hatch and adjust Driver's seat and periscope
19. Close Driver's hatch
20. Maintain correct speed
21. Seek defilade position
22. Perform evasive maneuvers

### Conduct Fire and Maneuver (Initial Withdrawing Platoon - Low Risk Condition)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform during-operations checks
9. Select route providing a stable firing platform
10. Select a firing position
11. Identify US and foreign equipment

12. Acquire targets
13. Sense rounds
14. Use infrared lenses
15. Operate Driver's night vision viewer
16. Operate personnel heater - fan only
17. Check Driver's instrument panel switches and gauges
18. Open Driver's hatch and adjust seat and periscope
19. Close Driver's hatch
20. Maintain correct speed
21. Perform evasive maneuvers
22. Seek defilade position

Conduct Fire and Maneuver (Covering Platoon - High Risk Condition)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform during-operations checks
9. Select route providing a stable firing platform
10. Select a firing position
11. Identify US and foreign equipment
12. Acquire targets
13. Sense rounds
14. Use infrared lenses
15. Operate Driver's night vision viewer
16. Operate personnel heater - fan only
17. Check Driver's instrument panel switches and gauges
18. Open Driver's hatch and adjust seat and periscope
19. Close Driver's hatch
20. Perform evasive maneuvers
21. Seek defilade position

Conduct Fire and Maneuver (Covering Platform - Low Risk Condition)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank

4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform during-operations checks
9. Select route providing a stable firing platform
10. Select a firing position
11. Identify US and foreign equipment
12. Acquire targets
13. Sense rounds
14. Use infrared lenses
15. Operate Driver's night vision viewer
16. Operate personnel heater - fan only
17. Check Driver's instrument panel switches and gauges
18. Open Driver's hatch and adjust Driver's seat and periscope
19. Close Driver's hatch
20. Perform evasive maneuvers
21. Seek defilade position

#### COUNTERATTACK PHASE

##### Engage Enemy on Objective (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Perform during-operations checks
6. Select a firing position
7. Check Driver's instrument panel switches and gauges
8. Operate personnel heater - fan only
9. Perform evasive maneuvers
10. Seek defilade position

##### Shift Suppressive Fires (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank



5. Perform during-operations checks
6. Select a firing position
7. Check Driver's instrument panel switches and guages
8. Operate personnel heater - fan only
9. Perform evasive maneuvers
10. Seek defilade position

Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform during-operations maintenance checks
9. Select route providing a stable firing platform
10. Select a firing position
11. Identify US and foreign equipment
12. Acquire targets
13. Sense rounds
14. Use infrared lens
15. Operate Driver's night vision viewer
16. Operate personnel heater - fan only
17. Check the Driver's instrument panel switches and guages
18. Open Driver's hatch and adjust Driver's seat and periscope
19. Close the Driver's hatch
20. Maintain correct speed
21. Perform evasive maneuvers
22. Seek defilade position

Conduct the Assault (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches

8. Perform during-operations checks
9. Select route providing a stable firing platform
10. Select a firing position
11. Identify US and foreign equipment
12. Acquire targets
13. Sense rounds
14. Use infrared lenses
15. Operate Driver's night vision viewer
16. Operate personnel heater - fan only
17. Check Driver's instrument panel switches and guages
18. Open Driver's hatch and adjust Driver's seat and periscope
19. Close Driver's hatch
20. Maintain correct speed
21. Perform evasive maneuvers
22. Seek defilade position

#### WITHDRAWAL PHASE

##### Screening Smoke (Initial Withdrawal Platoon)

1. Operate intercommunicaitons equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Operate personnel heater - fan and heater
6. Open Driver's hatch and adjust Driver's seat and periscope
7. Check Driver's instrument panel switches and guages
8. Perform during-operations checks
9. Operate smoke generator
10. Perform evasive maneuvers
11. Seek defilade position

##### Break Contact

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Operate the personnel heater - fan and heater
6. Drive tank up and down hills

6. Drive tank up and down hills
7. Drive tank over obstacles
8. Drive tank across ditches
9. Select route providing a stable firing platform
10. Select a firing position
11. Acquire targets
12. Check Driver's instrument panel switches and guages
13. Operate Driver's night vision viewer
14. Use infrared lenses
15. Close Driver's hatch
16. Maintain correct speed
17. Perform evasive maneuvers
18. Seek defilade position

#### Move to Successive Delay Position

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Use infrared lenses
6. Operate Driver's night vision viewer
7. Drive tank up and down hills
8. Drive tank over obstacles
9. Drive tank across ditches
10. Perform during-operations checks
11. Select a firing position
12. Check Driver's instrument panel switches and guages
13. Maintain correct speed
14. Perform fuel transfer procedures

#### Organize Successive Delay Position

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Use infrared lenses
6. Operate Driver's night vision viewer
7. Operate personnel heater - fan and heater
8. Perform during-operations checks
9. Drive tank up and down hills

10. Drive tank over obstacles
11. Drive tank across ditches
12. Check Driver's instrument panel and gauges
13. Close Driver's hatch
14. Select a firing position
15. Refuel tank
16. Shut down engine
17. Power down hull system

Support Withdrawing Platoon (Covering Platoon)

1. Operate intercommunications equipment
2. Operate personnel heater - fan only
3. Perform during-operations checks
4. Place tank in motion
5. Steer the tank
6. Brake the tank
7. Check Driver's instrument panel switches and gauges
8. Select a firing position
9. Perform evasive maneuvers
10. Seek defilade position

Screening Smoke (Covering Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Operate personnel heater - fan and heater
6. Open Driver's hatch and adjust Driver's seat and periscope
7. Check Driver's instrument panel switches and gauges
8. Perform during-operations checks
9. Operate smoke generator
10. Perform evasive maneuvers
11. Seek defilade position

COUNTERATTACK

## SUPPRESSIVE FIRES PHASE

### Engage Enemy on Objective (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Perform during-operations checks
6. Select a firing position
7. Check Driver's instrument panel and switches
8. Operate personnel heater - fan only
9. Perform evasive maneuvers
10. Seek defilade position

### Shift Suppressive Fires (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Perform during-operations checks
6. Select a firing position
7. Check Driver's instrument panel switches and gauges
8. Operate personnel heater - fan only
9. Perform evasive maneuvers
10. Seek defilade position

## FIRE AND MANEUVER PHASE

### Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform during-operations checks
9. Select route providing a stable firing platform

10. Select a firing position
11. Identify US and foreign equipment
12. Acquire targets
13. Sense rounds
14. Use infrared lenses
15. Operate Driver's night vision viewer
16. Operate personnel heater - fan only
17. Check the Driver's instrument panel switches and panel
18. Open Driver's hatch and adjust Driver's seat and periscope
19. Close Driver's hatch
20. Maintain correct speed
21. Perform evasive maneuvers
22. Seek defilade position

Conduct the Assault (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Perform before-operations checks
9. Select route providing a stable firing platform
10. Select a firing position
11. Identify US and foreign equipment
12. Acquire targets
13. Sense rounds
14. Use infrared lenses
15. Operate Driver's night vision viewer
16. Operate personnel heater - fan only
17. Check the Driver's instrument panel switches and gauges
18. Open Driver's hatch and adjust Driver's seat and periscope
19. Close Driver's hatch
20. Maintain correct speed
21. Perform evasive maneuvers
22. Seek defilade position

**DRIVER TASKS PERFORMED DURING EACH PLATOON OPERATION  
BY TEAM OPERATION AND TEAM OPERATION PHASE**

**SUPPORT**



OCCUPY REAR ASSEMBLY AREA

## MOVE INTO ASSEMBLY AREA PHASE

### Move Into Platoon Area

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Select a firing position
6. Perform during-operations checks
7. Check Driver's instrument panel switches and gauges
8. Operate Driver's night vision viewer
9. Use infrared lenses
10. Operate personnel heater - fan and heater

## ORGANIZE DEFENSE OF ASSEMBLY AREA PHASE

### Organize Defense of Platoon Area

1. Select a firing position
2. Brake the tank
3. Check Driver's instrument panel switches and gauges
4. Perform during-operations checks
5. Operate intercommunications equipment
6. Place tank in motion
7. Steer the tank
8. Prepare after-operations checks

## CONDUCT SUSTAINING ACTIONS

### Conduct Platoon Sustaining Actions

1. Enter Driver's station
2. Open Driver's hatch and adjust Driver's seat and periscope
3. Check turret seal and drain valves
4. Operate intercommunications equipment
5. Perform before-operations maintenance checks and services on Driver's station
6. Check Driver's master panel switches
7. Test and adjust Driver compartment indicator lights and internal instrument lights

8. Close Driver's hatch
9. Close front fender
10. Exit Driver's station
11. Open front fender
12. Check Driver's instrument panel switches and gauges
13. Start engine
14. Make after-start checks on engine
15. Make after-start checks on warning and caution lights
16. Make after-start checks on brakes
17. Take action when engine shuts down automatically
18. Refuel tank
19. Power down hull system
20. Shut down engine
21. Prepare intercommunications equipment
22. Service precleaner
23. Troubleshoot night vision viewer (AN/VSS-2)
24. Troubleshoot gas particulate filter unit
25. Troubleshoot personnel heater
26. Troubleshoot transmission

OCCUPY FORWARD ASSEMBLY AREA

## MOVE INTO ASSEMBLY AREA PHASE

### Move Into Platoon Area

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Select a firing position
6. Perform during-operations checks
7. Check Driver's instrument panel switches and guages
8. Operate Driver's night vision viewer
9. Use infrared lenses
10. Operate personnel heater - fan and heater

## ORGANIZE DEFENSE OF ASSEMBLY AREA PHASE

### Organize Defense of Platoon Area

1. Place tank in motion
2. Steer the tank
3. Brake the tank
4. Select a firing position
5. Check Driver's instrument panel switches and guages
6. Perform during-operations checks
7. Operate intercommunications equipment
8. Perform after-operations checks

## CONDUCT SUSTAINING ACTIONS PHASE

### Conduct Platoon Sustaining Actions

1. Enter Driver's stations
2. Open Driver's hatch and adjust Driver's seat and periscope
3. Close Driver's hatch
4. Close front fender
5. Exit Driver's station
6. Open front fender
7. Check turret seal and drain valves
8. Operate intercommunications equipment

9. Perform before-operations maintenance checks and services on Driver's station
10. Check Driver's master panel switches
11. Test and adjust Driver compartment indicator lights and internal instrument lights
12. Check Driver's instrument panel switches and gauges
13. Start engine
14. Power down hull system
15. Shut down engine
16. Prepare intercommunications equipment
17. Make after-start checks on engine
18. Make after-start checks on warning and caution lights
19. Make after-start checks on brakes
20. Take actions when engine shuts down automatically
21. Service precleaner
22. Troubleshoot night vision viewer (AN/VSS-2)
23. Troubleshoot gas particulate filter unit
24. Troubleshoot personnel heater
25. Troubleshoot transmission

PLAN OFFENSIVE OPERATIONS

## RECEIPT OF WARNING ORDER PHASE

### Receipt of Warning Order

1. Enter Driver's station
2. Open Driver's hatch and adjust Driver's seat and periscope
3. Operate intercommunications equipment
4. Perform before-operations maintenance checks and services on Driver's station
5. Prepare intercommunications equipment
6. Exit Driver's station
7. Open front fender
8. Close front fender
9. Close Driver's hatch
10. Power down hull system
11. Shut down engine
12. Check turret seals and drain valves
13. Check Driver's master panel switches
14. Test and adjust Driver compartment indicator lights and internal instruments lights
15. Take action when engine shuts down automatically
16. Check Driver's instrument panel switches and gauges
17. Start engine
18. Refuel tank
19. Make after-start checks on engine
20. Make after-start checks on warning and caution lights
21. Make after-start checks on brakes

## RECEIPT OF OPERATION ORDER PHASE

### Receipt of Operation Order

1. Enter Driver's station
2. Open Driver's hatch and adjust Driver's seat and periscope
3. Prepare intercommunications equipment
4. Exit Driver's station
5. Open front fender
6. Close front fender
7. Operate intercommunications equipment
8. Perform before-operations maintenance checks and services on Driver's station



9. Start engine
10. Place tank in motion
11. Steer the tank
12. Brake the tank
13. Power down hull systems
14. Shut down engine
15. Check turret seals and drain valves
16. Check Driver's master panel switches
17. Test and adjust Driver's compartment indicator lights and internal instrument lights
18. Take action when engine shuts down automatically
19. Check Driver's instrument panel switches and guages
20. Refuel tank
21. Make after-start checks on engine
22. Make after-start checks on brakes
23. Make after-start checks on warning and caution lights

#### COMPLETE READINESS PHASE

##### Complete Readiness Actions

1. Operate intercommunications equipment
2. Perform before-operations maintenance checks and services on Driver's station
3. Enter Driver's station
4. Exit Driver's station
5. Open front fender
6. Close front fender
7. Power down hull system
8. Check Driver's master panel switches
9. Test and adjust Driver compartment indicator lights and internal instrument lights
10. Check Driver's instrument panel switches and guages
11. Start engine
12. Refuel tank
13. Shut down engine
14. Make after-start checks on engine
15. Make after-start checks on brakes
16. Make after-start checks on warning and caution lights
17. Brake the tank

18. Steer the tank
19. Place tank in motion
20. Open Driver's hatch and adjust Driver's seat and periscope
21. Prepare intercommunications equipment
22. Check turret seals and drain valves
23. Take action when engine shuts down automatically
24. Service precleaner
25. Troubleshoot night vision viewer (AN/VSS-2)
26. Troubleshoot gas particulate filter unit
27. Troubleshoot personnel heater
28. Troubleshoot transmission

PLAN DEFENSIVE OPERATIONS

## RECEIPT OF WARNING ORDER PHASE

### Receipt of Warning Order

1. Enter Driver's station
2. Open Driver's hatch and adjust Driver's seat and periscope
3. Operate intercommunications equipment
4. Perform before-operations maintenance checks and services on Driver's station
5. Prepare intercommunications equipment
6. Exit Driver's station
7. Open front fender
8. Close front fender
9. Close Driver's hatch
10. Power down hull system
11. Shut down engine
12. Check turret seals and drain valve
13. Check Driver's master panel switches
14. Take action when engine shuts down automatically
15. Check Driver's instrument panel switches and gauges
16. Refuel tank
17. Start engine
18. Make after-start checks on engine
19. Make after-start checks on brakes
20. Test and adjust Driver compartment indicator lights and internal instrument lights
21. Make after-start checks on warning and caution lights

## RECEIPT OF OPERATION ORDER PHASE

### Receipt of Operation Order

1. Enter Driver's station
2. Open Driver's hatch and adjust Driver's seat and periscope
3. Prepare intercommunications equipment
4. Exit Driver's station
5. Open front fender
6. Close front fender
7. Operate intercommunications equipment
8. Perform before-operations maintenance checks and services on Driver's station

9. Start engine
10. Place tank in motion
11. Steer the tank
12. Brake the tank
13. Power down hull system
14. Shut down engine
15. Check turret seals and drain valves
16. Check Driver's master panel switches
17. Take action when engine shuts down automatically
18. Check Driver's instrument panel switches and panels
19. Refuel tank
20. Make after-start checks on engine
21. Make after-start checks on brakes
22. Test and adjust Driver's compartment indicator lights and internal instruments lights
23. Make after-start checks on warning and caution lights

#### COMPLETE READINESS PHASE

##### Complete Readiness Actions

1. Operate intercommunications equipment
2. Perform before-operations maintenance checks and services on Driver's station
3. Check Driver's master panel switches
4. Test and adjust Driver compartment indicator lights and internal instrument lights
5. Check Driver's instrument panel switches and gauges
6. Start engine
7. Refuel tank
8. Enter Driver's station
9. Place tank in motion
10. Steer the tank
11. Prepare intercommunications equipment
12. Open front fender
13. Exit Driver's station
14. Close front fender
15. Brake the tank
16. Power down hull system
17. Shut down engine

18. Check turret seals and drain valves
19. Take action when engine shuts down automatically
20. Open Driver's hatch and adjust Driver's seat and periscope
21. Make after-start checks on engine
22. Make after-start checks on brakes
23. Make after-start checks on warning and caution lights
24. Service precleaner
25. Troubleshoot night vision viewer (AN/VSS-2)
26. Troubleshoot gas particulate filter unit
27. Troubleshoot personnel heater
28. Troubleshoot transmission

ADMINISTRATIVE ROAD MARCH

## DEPART OLD AREA PHASE

### Depart Old Area

1. Operate intercommunications equipment
2. Start engine
3. Place tank in motion
4. Steer the tank
5. Brake the tank
6. Check the Driver's instrument panel switches and gauges
7. Operate outside lights
8. Perform during-operations checks
9. Maintain correct speed
10. Operate personnel heater - fan and heater

## MOVEMENT PHASE

### Move Along Route

1. Operate intercommunications equipment
2. Steer the tank
3. Brake the tank
4. Check Driver's instrument panel switches and gauges
5. Operate outside lights
6. Operate personnel heater - fan and heater
7. Perform during-operations checks
8. Maintain correct speed
9. Perform at-halt maintenance checks and services
10. Perform fuel transfer procedures

## ARRIVE NEW AREA PHASE

### Arrive New Area

1. Operate intercommunications equipment
2. Steer the tank
3. Brake the tank
4. Check Driver's instrument panel switches and gauges
5. Operate outside lights
6. Operate personnel heater - fan and heater
7. Perform during-operation checks
8. Maintain correct speed 222



TACTICAL ROAD MARCH

## DEPART OLD AREA PHASE

### Depart Old Area

1. Operate intercommunications equipment
2. Start engine
3. Place tank in motion
4. Steer the tank
5. Brake the tank
6. Check the Driver's instrument panel switches and gauges
7. Operate personnel heater - fan and heater
8. Operate Driver's night vision viewer
9. Use infrared lenses
10. Perform during-operations checks
11. Maintain correct speed

## MOVEMENT PHASE

### Move Along Route

1. Operate intercommunications equipment
2. Steer the tank
3. Brake the tank
4. Check Driver's instrument panel switches and gauges
5. Operate personnel heater - fan and heater
6. Operate Driver's night vision viewer
7. Use infrared lenses
8. Perform during-operations checks
9. Maintain correct speed
10. Perform at-halt maintenance checks and services
11. Perform fuel transfer procedures

## ARRIVE NEW AREA PHASE

### Arrive New Area

1. Operate intercommunications equipment
2. Steer the tank
3. Brake the tank
4. Check Driver's instrument panel switches and gauges
5. Operate personnel heater - fan and heater

6. Operate Driver's night vision viewer
7. Use infrared lenses
8. Perform during-operations checks
9. Maintain correct speed

TACTICAL MOVEMENT

## CONDUCT TACTICAL MOVEMENT PHASE

### Traveling or Traveling Overwatch or Bounding Overwatch (Lead Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Check Driver's instrument panel switches and gauges
6. Operate Driver's night vision viewer
7. Operate personnel heater - fan and heater
8. Use infrared lenses
9. Drive tank up and down hills
10. Drive tank over obstacles
11. Drive tank across ditches
12. Perform during-operations checks
13. Perform at-halt maintenance checks and services
14. Maintain correct speed
15. Select route providing a stable firing platform
16. Select a firing position
17. Acquire targets
18. Perform fuel transfer procedures

### Traveling or Traveling Overwatch or Bounding Overwatch (Following Platoon)

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Check Driver's instrument panel switches and gauges
6. Operate Driver's night vision viewer
7. Operate personnel heater - fan and heater
8. Use infrared lenses
9. Drive tank up and down hills
10. Drive tank over obstacles
11. Drive tank across ditches
12. Perform during-operations checks
13. Perform at-halt maintenance checks and services
14. Maintain correct speed
15. Select route providing a stable firing platform
16. Select a firing position

17. Acquire targets
18. Perform fuel transfer procedures

CONSOLIDATE ON OBJECTIVE

## SWEEP ENEMY FROM OBJECTIVE PHASE

### Sweep Enemy From Platoon Sector

1. Operate intercommunications equipment
2. Place tank in motion
3. Steer the tank
4. Brake the tank
5. Drive tank up and down hills
6. Drive tank over obstacles
7. Drive tank across ditches
8. Check the Driver's instrument panel switches and gauges
9. Operate Driver's night vision viewer
10. Operate personnel heater - fan only
11. Use infrared lenses
12. Perform during-operations checks
13. Select route providing a stable firing platform
14. Select a firing position
15. Perform evasive maneuvers
16. Identify US and foreign equipment
17. Acquire targets
18. Sense rounds
19. Seek defilade position

## PREPARE FOR ENEMY COUNTERATTACK PHASE

### Prepare for Enemy Counterattack

1. Open Driver's hatch and adjust Driver's seat and periscope
2. Operate intercommunications equipment
3. Place tank in motion
4. Steer the tank
5. Brake the tank
6. Check Driver's instrument panel switches and gauges
7. Operate Driver's night vision viewer
8. Operate personnel heater - fan and heater
9. Use infrared lenses
10. Perform during-operations checks
11. Select a firing position



12. Identify US and foreign equipment
13. Acquire targets
14. Sense rounds

PREPARE TO CONTINUE ATTACK PHASE

Prepare to Continue Attack

1. Enter Driver's station
2. Open Driver's hatch and adjust Driver's seat and periscope
3. Operate intercommunications equipment
4. Perform before-operations maintenance checks and services on Driver's station
5. Make after-start checks on warning and caution lights
6. Check the turret seals and drain valves
7. Make after-start checks on brakes
8. Make after-start checks on engine
9. Check Driver's master panel switches
10. Test and adjust Driver compartment indicator lights and internal instrument lights
11. Check Driver's instrument panel switches and gauges
12. Start engine
13. Refuel tank
14. Operate personnel heater - fan and heater
15. Service precleaner
16. Troubleshoot night vision viewer (AN/VSS-2)
17. Troubleshoot gas particulate filter unit
18. Troubleshoot personnel heater
19. Troubleshoot transmission

REORGANIZE

## CONDUCT RESUPPLY PHASE

### Receive Class I, III, and V Supplies

1. Refuel tank

## PERFORM MAINTENANCE PHASE

### Perform Maintenance and Emergency Repairs

1. Enter Driver's station
2. Open Driver's hatch and adjust Driver's seat and periscope
3. Perform after-operation checks
4. Start engine
5. Make after-start checks on engine
6. Make after-start checks on brakes
7. Make after-start checks on warning and caution lights
8. Check Driver's instrument panel switches and gauges
9. Check Driver's master panel switches
10. Check turret seal and drain valves
11. Power down hull system
12. Exit Driver's station
13. Shut down engine
14. Test and adjust Driver's compartment indicator lights and internal instrument lights
15. Service precleaner
16. Troubleshoot night vision viewer (AN/VSS-2)
17. Troubleshoot gas particulate filter unit
18. Troubleshoot personnel heater
19. Troubleshoot transmission

## REESTABLISH COMMUNICATIONS PHASE

### Reestablish Communications with TCs

## REASSIGN PERSONNEL PHASE

### Reassign Personnel

APPENDIX D  
LOADER TASKS

LOADER TASKS PERFORMED DURING EACH PLATOON OPERATION  
BY TEAM OPERATION AND TEAM OPERATION PHASE

OFFENSE

MOVEMENT TO CONTACT

## MOVEMENT PHASE

### Traveling or Traveling Overwatch or Bounding Overwatch (Lead Platoon)

1. Operate intercommunications equipment
2. Check the replenisher
3. Load the main gun
4. Load the coaxial machinegun
5. Load the Loader's machinegun
6. Automatically operate ready ammo compartment door
7. Remove 105mm round from ammo stowage racks
8. Unlock main gun elevation travel lock
9. Unlock the turret traverse lock
10. Acquire targets
11. Identify main gun ammunition
12. Operate domelight
13. Power up Loader's station
14. Adjust Loader's seat and platform

### Traveling or Traveling Overwatch or Bounding Overwatch (Following Platoon)

1. Operate intercommunications equipment
2. Check the replenisher
3. Load the main gun
4. Load the coaxial machinegun
5. Load the Loader's machinegun
6. Automatically operate ready ammo compartment door
7. Remove 105mm round from ammo stowage racks
8. Unlock main gun elevation travel lock
9. Unlock the turret traverse lock
10. Acquire targets
11. Identify main gun ammunition
12. Operate domelight
13. Power up Loader's station
14. Adjust Loader's station

## ACTION ON CONTACT PHASE

### Immediate Action (Lead Platoon)

1. Operate intercommunications equipment

2. Check the replenisher
3. Load the main gun
4. Automatically operate ready ammo compartment door
5. Operate Loader's panel
6. Position Loader's guards for firing
7. Remove 105mm round from ammo stowage racks
8. Power up loader's station
9. Load the coaxial machinegun
10. Load the Loader's machinegun
11. Fire the Loader's machinegun
12. Acquire targets
13. Rank targets according to potential danger
14. Identify US and foreign equipment
15. Identify main gun ammunition
16. Empty the Loader's machinegun spent cartridge case

Develop the Situation (Lead Platoon)

Occupy Suppressive Fire Position (Following Platoon)

1. Operate intercommunications equipment
2. Check the replenisher
3. Load the main gun
4. Acquire targets
5. Rank targets according to potential danger
6. Identify US and foreign equipment
7. Identify main gun ammunition
8. Automatically operate ready ammunition compartment door
9. Operate Loader's panel
10. Position Loader's guards for firing
11. Remove 105mm round from ammunition stowage racks
12. Power up Loader's station



HASTY ATTACK

## SUPPRESSIVE FIRES PHASE

### Engage Enemy on Objective (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Automatically operate ready ammo compartment door
3. Remove an 105mm round from the ammo stowage racks
4. Check the replenisher
5. Load the main gun
6. Operate Loader's panel
7. Position Loader's guards for firing
8. Operate domelight
9. Power up Loader's station
10. Adjust Loader's seat and platform
11. Acquire targets
12. Rank targets according to potential danger
13. Identify US and foreign equipment
14. Identify main gun ammunition

### Shift Suppressive Fires (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Automatically operate ready ammo compartment door
6. Operate Loader's panel
7. Position Loader's guards for firing
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Identify main gun ammunition

## FIRE AND MANEUVER PHASE

### Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun

5. Automatically operate ready ammo compartment door
6. Operate domelight
7. Operate Loader's panel
8. Position Loader's guards for firing
9. Power up Loader's station
10. Adjust Loader's seat and platform
11. Install and operate Loader's periscope
12. Operate Loader's hatch
13. Empty the Loader's machinegun spent cartridge case
14. Load the coaxial machinegun
15. Load the Loader's machinegun
16. Fire the Loader's machinegun
17. Acquire targets
18. Rank targets according to potential danger
19. Identify US and foreign equipment
20. Identify main gun ammunition

Conduct the Assault (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Automatically operate ready ammo compartment door
3. Remove an 105mm round from the ammo stowage racks
4. Check the replenisher
5. Load the main gun
6. Load the coaxial machinegun
7. Load the Loader's machinegun
8. Fire the Loader's machinegun
9. Acquire targets
10. Rank targets according to potential danger
11. Identify US and foreign equipment
12. Identify main gun ammunition
13. Operate Loader's panel
14. Position Loader's guards for firing
15. Install and operate Loader's periscope

BYPASS

## SUPPRESSIVE FIRES PHASE

### Engage Enemy on Objective (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Operate domelight
3. Remove an 105mm round from the ammo stowage racks
4. Check the replenisher
5. Load the main gun
6. Power up Loader's station
7. Adjust Loader's seat and platform
8. Automatically operate ready ammo compartment door
9. Operate Loader's panel
10. Position Loader's guards for firing
11. Load the coaxial machinegun
12. Load the Loader's machinegun
13. Fire the Loader's machinegun
14. Acquire targets
15. Rank targets according to potential danger
16. Identify US and foreign equipment
17. Identify main gun ammunition

### Suppress Enemy Direct Fires (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Load the main gun
4. Check replenisher
5. Automatically operate ready ammo compartment door
6. Operate Loader's panel
7. Position Loader's guards for firing
8. Load the coaxial machinegun
9. Load the Loader's machinegun
10. Fire the Loader's machinegun
11. Acquire targets
12. Rank targets according to potential danger
13. Identify US and foreign equipment
14. Identify main gun ammunition

CONTINUE BYPASS AND CONTINUE MOVEMENT TO CONTACT PHASE

Bypass Enemy Position (Following Platoon)

1. Operate the Loader's panel
2. Operate domelight
3. Operate intercommunications equipment
4. Remove an 105mm round from the ammo stowage racks
5. Check the replenisher
6. Load the main gun
7. Power up Loader's station
8. Adjust Loader's seat and platform
9. Position Loader's guards for firing
10. Automatically operate ready ammo compartment door
11. Acquire targets
12. Rank targets according to potential danger
13. Identify US and foreign equipment
14. Identify main gun ammunition

Continue Movement to Contact (Following Platoon)

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Load the coaxial machinegun
4. Load the Loader's machinegun
5. Acquire targets
6. Identify main gun ammunition
7. Check the replenisher
8. Load the main gun
9. Automatically operate ready ammo compartment door
10. Stow the Loader guards

HOLDING

## OCCUPY HASTY DEFENSE PHASE

### Withdraw to Defensive Position (Lead Platoon)

1. Operate intercommunications equipment
2. Acquire targets

### Occupy Hasty Defense Position (Following Platoon)

1. Operate intercommunications equipment
2. Acquire targets

### Support Withdraw of Lead Platoon (Following Platoon)

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Automatically operate ready ammo compartment door
5. Load the main gun
6. Operate domelight
7. Power up Loader's station
8. Position Loader's guards for firing
9. Operate Loader's panel
10. Empty Loader's machinegun spent cartridge case
11. Load the coaxial machinegun
12. Load the Loader's machinegun
13. Fire the Loader's machinegun
14. Acquire targets
15. Rank targets according to potential danger
16. Identify US and foreign equipment
17. Identify main gun ammunition

## DEFEND POSITION PHASE

### Engage Targets of Opportunity

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Automatically operate ready ammo compartment door
6. Position Loader's guards for firing



7. Operate Loader's panel
8. Empty Loader's machinegun spent cartridge case
9. Load the coaxial machinegun
10. Load the Loader's machinegun
11. Fire the Loader's machinegun
12. Acquire targets
13. Rank targets according to potential danger
14. Identify US and foreign equipment
15. Identify main gun ammunition

Mass Platoon Fire on Enemy Attack

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Automatically operate ready ammo compartment door
6. Position Loader's guards for firing
7. Operate Loader's panel
8. Empty Loader's machinegun spent cartridge case
9. Load the coaxial machinegun
10. Load the Loader's machinegun
11. Fire the Loader's machinegun
12. Acquire targets
13. Rank targets according to potential danger
14. Identify US and foreign equipment
15. Identify main gun ammunition

DELIBERATE ATTACK

## SUPPRESSIVE FIRES PHASE

### Move to and Occupy Suppressive Fire Position (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Load the main gun
4. Check the replenisher
5. Automatically operate ready ammo compartment door
6. Operate domelight
7. Power up Loader's station
8. Adjust Loader's seat and platform
9. Load the coaxial machinegun
10. Load the Loader's machinegun
11. Acquire targets
12. Identify main gun ammunition

### Engage Enemy on Objective (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Automatically operate ready ammo compartment door
6. Operate Loader's panel
7. Position Loader's guards for firing
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Identify main gun ammunition

### Shift Suppressive Fires (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the replenisher
5. Automatically operate ready ammo compartment door
6. Operate Loader's panel
7. Position Loader's guards for firing
8. Acquire targets
9. Rank targets according to potential danger

10. Identify US and foreign equipment
11. Identify main gun ammunition

#### FIRE AND MANEUVER PHASE

##### Move to and Cross Line of Departure (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Load the main gun
4. Automatically operate ready ammo compartment door
5. Operate domelight
6. Operate Loader's panel
7. Position Loader's guards for firing
8. Power up Loader's station
9. Adjust Loader's seat and platform
10. Load the coaxial machinegun
11. Load the Loader's machinegun
12. Fire the Loader's machinegun
13. Acquire targets
14. Rank targets according to potential danger
15. Identify US and foreign equipment
16. Identify main gun ammunition
17. Check the replenisher

##### Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Automatically operate ready ammo compartment door
6. Operate Loader's panel
7. Position Loader's guards for firing
8. Install and operate Loader's periscope
9. Operate Loader's hatch
10. Load the coaxial machinegun
11. Load the Loader's machinegun
12. Fire the Loader's machinegun
13. Acquire targets

14. Rank targets according to potential danger
15. Identify US and foreign equipment
16. Identify main gun ammunition

#### ASSAULT PHASE

##### Support Breeching Operation (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Load the coaxial machinegun
6. Load the Loader's machinegun
7. Fire the Loader's machinegun
8. Acquire targets
9. Identify US and foreign equipment
10. Identify main gun ammunition

##### Conduct the Assault (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Load the coaxial machinegun
6. Load the Loader's machinegun
7. Fire the Loader's machinegun
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Identify main gun ammunition
12. Automatically operate ready ammo compartment door
13. Operate Loader's panel
14. Position Loader's guards for firing

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EXPLOITATION AND PURSUIT

## MOVEMENT PHASE

### Traveling or Traveling Overwatch or Bounding Overwatch (Lead Platoon)

1. Operate intercommunications equipment
2. Check the replenisher
3. Load the main gun
4. Automatically operate ready ammo compartment door
5. Remove 105mm round from ammo stowage racks
6. Load the coaxial machinegun
7. Load the Loader's machinegun
8. Acquire targets
9. Identify main gun ammunition
10. Power up Loader's station
11. Adjust Loader's seat and platform

### Traveling or Traveling Overwatch or Bounding Overwatch (Following Platoon)

1. Operate intercommunications equipment
2. Check the replenisher
3. Load the main gun
4. Automatically operate ready ammo compartment door
5. Remove an 105mm round from ammo stowage racks
6. Load the coaxial machinegun
7. Load the Loader's machinegun
8. Acquire targets
9. Identify main gun ammunition
10. Power up Loader's station
11. Adjust Loader's seat and platform

## ACTION ON CONTACT PHASE

### Immediate Action (Lead Platoon)

1. Operate intercommunications equipment
2. Check the replenisher
3. Load the main gun
4. Automatically operate ready ammo compartment door
5. Operate Loader's panel
6. Position Loader's guards for firing
7. Remove an 105mm round from ammo stowage racks

8. Empty the Loader's machinegun spent cartridge case
9. Power up Loader's station
10. Load the coaxial machinegun
11. Load the Loader's machinegun
12. Fire the Loader's machinegun
13. Acquire targets
14. Rank targets according to potential danger
15. Identify US and foreign equipment
16. Identify main gun ammunition

Develop the Situation (Lead Platoon)

Occupy Suppressive Fire Position (Following Platoon)

1. Operate intercommunications equipment
2. Check the replenisher
3. Load the main gun
4. Acquire targets
5. Rank targets according to potential danger
6. Identify US and foreign equipment
7. Identify main gun ammunition
8. Automatically operate ready ammunition compartment door
9. Operate Loader's panel
10. Position Loader's guards for firing
11. Remove an 105mm round from ammo stowage racks
12. Power up Loader's station



LOADER TASKS PERFORMED DURING EACH PLATOON OPERATION  
BY TEAM OPERATION AND TEAM OPERATION PHASE

DEFENSE

OCCUPY BATTLE POSITION

## MOVE TO BATTLE POSITION PHASE

### Move to Platoon Battle Position

1. Operate domelight
2. Power up Loader's station
3. Operate intercommunications equipment
4. Adjust Loader's seat and platform
5. Automatically operate ready ammo compartment door
6. Remove an 105mm round from the ammo stowage racks
7. Check the replenisher
8. Load the main gun
9. Identify main gun ammunition
10. Load the coaxial machinegun
11. Load the Loader's machinegun
12. Acquire targets

## OCCUPY AND ORGANIZE BATTLE POSITION PHASE

### Occupy Platoon Battle Position

1. Operate intercommunications equipment
2. Check the replenisher
3. Acquire targets

### Organize Platoon Battle Position

1. Operate intercommunications equipment
2. Acquire targets

DEFEND BATTLE POSITION

## SURVEILLANCE PHASE

### Maintain Surveillance in Platoon Sector

1. Operate intercommunications equipment
2. Install the Loader's night vision viewer
3. Operate the Loader's night vision viewer
4. Acquire targets
5. Rank targets according to potential danger
6. Identify US and foreign equipment

## INDIRECT FIRE PHASE

### Initiate Indirect Fires in Platoon Sector

1. Operate intercommunications equipment
2. Identify US and foreign equipment
3. Acquire targets
4. Rank targets according to potential danger
5. Operate Loader's night vision viewer

## DIRECT FIRE PHASE

### Initiate Indirect Fire in Platoon Sector

1. Operate domelight
2. Operate intercommunications equipment
3. Check the replenisher
4. Load the main gun
5. Remove 105mm round from the ammo stowage racks
6. Automatically operate ready ammo compartment door
7. Operate Loader's panel
8. Position Loader's guards for firing
9. Adjust Loader's seat and platform
10. Power up Loader's station
11. Remove Loader's night vision viewer
12. Empty the Loader's machinegun spent cartridge case
13. Load the coaxial machinegun
14. Load the Loader's machinegun
15. Fire the Loader's machinegun

16. Operate the Loader's night vision viewer
17. Acquire targets
18. Rank targets according to potential danger
19. Identify US and foreign equipment
20. Identify main gun ammunition

#### FIRE AND MANEUVER PHASE

##### Conduct Fire and Maneuver

1. Operate intercommunications equipment
2. Check the replenisher
3. Load the main gun
4. Remove 105mm round from the ammo stowage racks
5. Automatically operate ready ammo compartment door
6. Operate Loader's panel
7. Position Loader's guards for firing
8. Adjust Loader's seat and platform
9. Operate Loader's night vision viewer
10. Install and operate Loader's periscope
11. Operate Loader's hatch
12. Load the coaxial machinegun
13. Load the Loader's machinegun
14. Fire the Loader's machinegun
15. Acquire targets
16. Rank targets according to potential danger
17. Identify US and foreign equipment
18. Identify main gun ammunition

#### COUNTERATTACK PHASE

##### Engage Enemy on Objective (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Automatically operate ready ammo compartment door
3. Remove 105mm round from the ammo stowage racks
4. Check the replenisher
5. Load the main gun
6. Acquire targets

7. Rank targets according to potential danger
8. Identify US and foreign equipment
9. Identify main gun ammunition
10. Operate Loader's panel
11. Position Loader's guards for firing
12. Operate domelight
13. Power up Loader's station
14. Adjust Loader's seat and platform

Shift Suppressive Fires (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Remove 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Acquire targets
6. Rank targets according to potential danger
7. Identify US and foreign equipment
8. Identify main gun ammunition
9. Automatically operate ready ammo compartment door
10. Operate Loader's panel
11. Position Loader's guards for firing

FIRE AND MANEUVER PHASE

Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Remove 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Load the coaxial machinegun
6. Load the Loader's machinegun
7. Fire the Loader's machinegun
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Identify main gun ammunition
12. Automatically operate ready ammo compartment door
13. Operate domelight

14. Operate Loader's panel
15. Position Loader's guards for firing
16. Power up Loader's station
17. Adjust Loader's seat and platform

Conduct the Assault (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Automatically operate ready ammo compartment door
3. Remove an 105mm round from the ammo stowage racks
4. Check the replenisher
5. Load the main gun
6. Load the coaxial machinegun
7. Load the Loader's machinegun
8. Fire the Loader's machinegun
9. Acquire targets
10. Rank targets according to potential danger
11. Identify US and foreign equipment
12. Identify main gun ammunition
13. Operate Loader's panel
14. Position Loader's guards for firing



DISPLACE TO ALTERNATE BATTLE POSITION

## MOVE TO ALTERNATE BATTLE POSITION PHASE

### Move to Platoon Battle Position

1. Operate domelight
2. Power up Loader's station
3. Operate intercommunications equipment
4. Adjust Loader's seat and platform
5. Automatically operate ready ammo compartment door
6. Remove 105mm round from the ammo stowage racks
7. Check the replenisher
8. Load the main gun
9. Identify main gun ammunition
10. Load the coaxial machinegun
11. Load the Loader's machinegun
12. Acquire targets

## OCCUPY AND ORGANIZE BATTLE POSITION PHASE

### Occupy Platoon Battle Position

1. Operate intercommunications equipment
2. Check the replenisher
3. Acquire targets

### Organize Platoon Battle Position

1. Operate intercommunications equipment
2. Acquire targets

WITHDRAW

## COVERING FIRE PHASE

### Screening Smoke (Initial Withdrawal Platoon)

1. Operate domelight
2. Power up Loader's station
3. Operate intercommunications equipment
4. Adjust Loader's seat and platform
5. Remove an 105mm round from the ammo stowage racks
6. Check the replenisher
7. Load the main gun
8. Automatically operate ready ammo compartment door
9. Operate Loader's panel
10. Load the coaxial machinegun
11. Load the Loader's machinegun
12. Fire the Loader's machinegun
13. Position Loader's guard for firing
14. Install Loader's night vision viewer
15. Empty Loader's machinegun spent cartridge case
16. Operate Loader's night vision viewer
17. Acquire targets
18. Rank targets according to potential danger
19. Identify US and foreign equipment
20. Identify main gun ammunition

### Move to the Rear (Initial Withdrawal Platoon)

1. Operate intercommunications equipment
2. Operate Loader's night vision viewer
3. Remove Loader's night vision viewer
4. Acquire targets

## BREAKING CONTACT PHASE

### Initiate Suppressive Direct Fires (Covering Platoon)

1. Operate intercommunications equipment
2. Operate domelight
3. Power up Loader's station
4. Adjust Loader's seat and platform
5. Remove 105mm round from the ammo stowage racks

6. Check the replenisher
7. Load the main gun
8. Load the coaxial machinegun
9. Load the Loader's machinegun
10. Fire the Loader's machinegun
11. Acquire targets
12. Rank targets according to potential danger
13. Identify US and foreign equipment
14. Identify main gun ammunition
15. Automatically operate ready ammo compartment door
16. Operate Loader's panel
17. Position Loader's guard for firing
18. Install Loader's night vision viewer
19. Operate Loader's night vision viewer
20. Install and operate Loader's periscope
21. Operate Loader's hatch
22. Empty Loader's machinegun spent cartridge case

#### Screening Smoke (Covering Platoon)

1. Operate intercommunications equipment
2. Remove 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Automatically operate ready ammo compartment door
6. Operate Loader's panel
7. Position Loader's guard for firing
8. Operate Loader's night vision viewer
9. Load the coaxial machinegun
10. Load the Loader's machinegun
11. Fire the Loader's machinegun
12. Acquire targets
13. Rank targets according to potential danger
14. Identify US and foreign equipment
15. Identify main gun ammunition

#### Move to the Rear (Covering Platoon)

1. Operate intercommunications equipment
2. Check the replenisher
3. Acquire targets

4. Operate Loader's night vision viewer
5. Remove Loader's night vision viewer

DELAY

## SURVEILLANCE PHASE

### Maintain Surveillance in Platoon Sector

1. Operate intercommunications equipment
2. Acquire targets
3. Rank targets according to potential danger
4. Identify US and foreign equipment
5. Install Loader's night vision viewer
6. Operate Loader's night vision viewer

## INDIRECT FIRE PHASE

### Initiate Indirect Fires in Platoon Sector

1. Operate intercommunications equipment
2. Acquire targets
3. Rank targets according to potential danger
4. Identify US and foreign equipment
5. Operate Loader's night vision viewer

## DIRECT FIRE PHASE

### Initiate Direct Fire in Platoon Sector

1. Operate domelight
2. Operate intercommunications equipment
3. Check replenisher
4. Load main gun
5. Load the coaxial machinegun
6. Load the Loader's machinegun
7. Fire the Loader's machinegun
8. Operate the Loader's night vision viewer
9. Acquire targets
10. Rank targets according to potential danger
11. Identify US and foreign equipment
12. Identify main gun ammunition
13. Remove 105mm round from the ammo stowage racks
14. Automatically operate ready ammo compartment door
15. Operate Loader's panel



16. Position Loader's guards for firing
17. Adjust Loader's seat and platform
18. Power up Loader's station
19. Install and operate Loader's periscope
20. Operate Loader's hatch
21. Empty Loader's machinegun spent cartridge case

#### FIRE AND MANEUVER PHASE

##### Conduct Fire and Maneuver (Initial Withdrawing Platoon - High Risk Condition)

1. Operate intercommunications equipment
2. Check the replenisher
3. Load the main gun
4. Remove 105mm round from the ammo stowage racks
5. Automatically operate ready ammo compartment door
6. Operate Loader's panel
7. Position Loader's guards for firing
8. Adjust Loader's seat and platform
9. Operate Loader's night vision viewer
10. Acquire targets
11. Rank targets according to potential danger
12. Identify US and foreign equipment
13. Identify main gun ammunition

##### Conduct Fire and Maneuver (Initial Withdrawing Platoon - Low Risk Condition)

1. Operate intercommunications equipment
2. Acquire targets
3. Operate Loader's night vision viewer

##### Conduct Fire and Maneuver (Covering Platoon - High Risk Condition)

1. Operate intercommunications equipment
2. Check the replenisher
3. Load the main gun
4. Load the coaxial machinegun
5. Load the Loader's machinegun
6. Fire the Loader's machinegun
7. Remove 105mm round from the ammo stowage racks
8. Automatically operate ready ammo compartment door
9. Operate Loader's panel

10. Position Loader's guards for firing
11. Adjust Loader's seat and platform
12. Operate Loader's night vision viewer
13. Acquire targets
14. Rank targets according to potential danger
15. Identify US and foreign equipment
16. Identify main gun ammunition

Conduct Fire and Maneuver (Covering Platoon - Low Risk Condition)

1. Operate intercommunications equipment
2. Check the replenisher
3. Load the main gun
4. Remove 105mm round from the ammo stowage racks
5. Automatically operate ready ammo compartment door
6. Operate Loader's panel
7. Position Loader's guards for firing
8. Adjust Loader's seat and platform
9. Operate Loader's night vision viewer
10. Acquire targets
11. Rank targets according to potential danger
12. Identify US and foreign equipment
13. Identify main gun ammunition

COUNTERATTACK PHASE

Engage Enemy on Objective (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Automatically operate ready ammo compartment door
3. Remove 105mm round from the ammo stowage racks
4. Check the replenisher
5. Load the main gun
6. Operate Loader's panel
7. Position Loader's guards for firing
8. Operate domelight
9. Power up Loader's station
10. Adjust Loader's seat and platform
11. Acquire targets
12. Rank targets according to potential danger

13. Identify US and foreign equipment
14. Identify main gun ammunition

Shift Suppressive Fires (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Remove 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Automatically operate ready ammo compartment door
6. Operate Loader's panel
7. Position Loader's guards for firing
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Identify main gun ammunition

FIRE AND MANEUVER PHASE

Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Remove 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Automatically operate ready ammo compartment door
6. Operate domelight
7. Operate Loader's panel
8. Position Loader's guards for firing
9. Power up Loader's station
10. Adjust Loader's seat and platform
11. Load the coaxial machinegun
12. Load the Loader's machinegun
13. Fire the Loader's machinegun
14. Acquire targets
15. Rank targets according to potential danger
16. Identify US and foreign equipment
17. Identify main gun ammunition

Conduct the Assault (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Automatically operate ready ammo compartment door
3. Remove 105mm round from the ammo stowage racks
4. Check the replenisher
5. Load the main gun
6. Load the coaxial machinegun
7. Load the Loader's machinegun
8. Fire the Loader's machinegun
9. Acquire targets
10. Rank targets according to potential danger
11. Identify US and foreign equipment
12. Identify main gun ammunition
13. Operate Loader's panel
14. Position Loader's guards for firing

WITHDRAWAL PHASE

Screening Smoke (Initial Withdrawal Platoon)

1. Operate intercommunications equipment
2. Acquire targets
3. Operate Loader's night vision viewer

Break Contact

1. Operate intercommunications equipment
2. Acquire targets
3. Operate Loader's night vision viewer

Move to Successive Delay Position

1. Operate intercommunications equipment
2. Acquire targets
3. Operate Loader's night vision viewer

Organize Successive Delay Position

1. Operate intercommunications equipment
2. Acquire targets
3. Operate Loader's night vision viewer
4. Remove Loader's night vision viewer

Support Withdrawing Platoon (Covering Platoon)

1. Operate intercommunications equipment
2. Check replenisher
3. Load main gun
4. Load the coaxial machinegun
5. Load the Loader's machinegun
6. Fire the Loader's machinegun
7. Operate the Loader's night vision viewer
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Remove 105mm round from the ammo stowage racks
12. Automatically operate ready ammo compartment door
13. Operate Loader's panel
14. Identify main gun ammunition
15. Position Loader's guards for firing
16. Adjust Loader's seat and platform
17. Empty Loader's machinegun spent cartridge case

Screening Smoke (Covering Platoon)

COUNTERATTACK

## SUPPRESSIVE FIRES PHASE

### Engage Enemy on Objective (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Automatically operate ready ammo compartment door
3. Remove an 105mm round from the ammo stowage racks
4. Check the replenisher
5. Load the main gun
6. Operate Loader's panel
7. Position Loader's guards for firing
8. Operate dome light
9. Power up Loader's station
10. Adjust Loader's seat and platform
11. Acquire targets
12. Rank targets according to potential danger
13. Identify US and foreign equipment
14. Identify main gun ammunition

### Shift Suppressive Fires (Suppressive Fire Platoon)

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Automatically operate ready ammo compartment door
6. Operate Loader's panel
7. Position Loader's guards for firing
8. Acquire targets
9. Rank targets according to potential danger
10. Identify US and foreign equipment
11. Identify main gun ammunition

## FIRE AND MANEUVER PHASE

### Conduct Fire and Maneuver (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Remove an 105mm round from the ammo stowage racks
3. Check the replenisher
4. Load the main gun
5. Automatically operate ready ammo compartment door
6. Operate dome light
7. Operate Loader's panel
8. Position Loader's guards for firing
9. Power up Loader's station
10. Adjust Loader's seat and platform
11. Install and operate loader's periscope
12. Operate Loader's hatch
13. Empty the Loader's machinegun spent cartridge case
14. Load the coaxial machinegun
15. Load the Loader's machinegun
16. Fire the Loader's machinegun
17. Acquire targets
18. Rank targets according to potential danger
19. Identify US and foreign equipment
20. Identify main gun ammunition

### Conduct the Assault (Fire and Maneuver Platoon)

1. Operate intercommunications equipment
2. Automatically operate ready ammo compartment door
3. Remove an 105mm round from the ammo stowage racks
4. Check the replenisher
5. Load the main gun
6. Load the coaxial machinegun
7. Load the Loader's machinegun
8. Fire the Loader's machinegun
9. Acquire targets
10. Rank targets according to potential danger
11. Identify US and foreign equipment
12. Identify main gun ammunition
13. Operate Loader's panel
14. Position Loader's guards for firing



LOADER TASKS PERFORMED DURING EACH PLATOON OPERATION  
BY TEAM OPERATION AND TEAM OPERATION PHASE

SUPPORT

OCCUPY REAR ASSEMBLY AREA

MOVE INTO ASSEMBLY AREA PHASE

Move Into Platoon Area

1. Operate intercommunications equipment

ORGANIZE DEFENSE OF ASSEMBLY AREA PHASE

Organize Defense of Platoon Area

1. Operate intercommunications equipment

CONDUCT SUSTAINING ACTIONS PHASE

Conduct Platoon Sustaining Actions

1. Install Loader's machinegun
2. Perform before-operations maintenance checks and services on Loader's machinegun and the 105mm gun tube
3. Operate the loader's hatch
4. Enter Loader's station
5. Remove an 105mm round from the ammo stowage racks
6. Open the breech manually
7. Close the breech manually
8. Check the replenisher
9. Identify main gun ammunition
10. Operate intercommunications equipment
11. Erect crosswind sensor
12. Check the turret networks box
13. Load coaxial machinegun
14. Close the hull ammunition compartment door
15. Close the semi-ready ammunition compartment door
16. Remove the Loader's machinegun
17. Exit tank
18. Fire the Loader's machinegun
19. Load the Loader's machinegun
20. Load the main gun
21. Open the hull compartment ammunition door
22. Open the semi-ready ammunition door

23. Operate dome light
24. Operate Loader's panel
25. Remove the Loader's periscope
26. Perform before-operations maintenance checks and services on remote thermometer breech group main gun movement
27. Position Loader's guards for firing
28. Power up Loader's station
29. Secure the Loader's station
30. Stow 105mm in the hull ammunition compartment
31. Stow 105mm in the ready ammunition compartment
32. Stow 105mm in the semi-ready ammunition compartment
33. Stow 105mm in the turret floor ready rack
34. Stow crosswind sensor and antenna
35. Stow the Loader's guards
36. Lock main gun elevation travel lock
37. Lock the turret traverse lock
38. Unload the grenade launchers
39. Unlock main gun travel locks
40. Unlock turret traverse lock
41. Zero Loader's machinegun
42. Prepare intercommunications equipment

OCCUPY FORWARD ASSEMBLY AREA

## MOVE INTO ASSEMBLY AREA PHASE

### Move Into Platoon Area

1. Operate intercommunications equipment

## ORGANIZE DEFENSE OF ASSEMBLY AREA PHASE

### Organize Defense of Platoon Area

1. Operate intercommunications equipment

## CONDUCT SUSTAINING ACTIONS PHASE

### Conduct Platoon Sustaining Actions

1. Install Loader's machinegun
2. Perform before operations maintenance checks and services on Loader's machinegun and the 105mm gun tube
3. Operate the Loader's hatch
4. Enter Loader's station
5. Remove an 105mm round from the ammo stowage racks
6. Open the breech manually
7. Close the breech manually
8. Check the replenisher
9. Identify main gun ammunition
10. Operate intercommunications equipment
11. Erect crosswind sensor
12. Check the turret networks box
13. Load coaxial machinegun
14. Close the hull ammo compartment door
15. Close the semi-ready ammo compartment door
16. Remove the Loader's machinegun
17. Exit tank
18. Fire the Loader's machinegun
19. Load the Loader's machinegun
20. Load the main gun
21. Open the hull compartment ammo door
22. Open the semi-ready ammo door

23. Operate dome light
24. Operate Loader's panel
25. Remove the Loader's periscope
26. Perform before-operations maintenance checks and services on remote thermometer, breech group main gun mount
27. Position Loader's guards for firing
28. Power up Loader's station
29. Secure the Loader's station
30. Stow 105mm in the hull ammo compartment
31. Stow 105mm in the ready ammo compartment
32. Stow 105mm in the semi-ready ammo compartment
33. Stow 105mm in the turret floor ready rack
34. Stow crosswind sensor and antenna
35. Stow the Loader's guards
36. Lock main gun elevation travel lock
37. Lock the turret traverse lock
38. Unload the grenade launchers
39. Unlock main gun travel lock
40. Unlock turret traverse lock
41. Zero Loader's machinegun
42. Prepare intercommunications equipment

PLAN OFFENSIVE OPERATIONS



## RECEIPT OF WARNING ORDER PHASE

### Receipts of Warning Order

1. Perform before-operations maintenance checks and services on Loader's machinegun and the 105mm gun tube
2. Enter Loader's station
3. Operate domelight
4. Power up Loader's station
5. Operate intercommunications equipment
6. Perform before-operations maintenance checks and services on remote thermometer, breech group main gun mount
7. Open the breech manually
8. Check the replenisher
9. Remove the Loader's machinegun
10. Prepare intercommunications equipment

## RECEIPT OF OPERATION ORDER PHASE

### Receipt of Operation Order

1. Perform before-operations maintenance checks and services on Loader's machinegun and the 105mm gun tube
2. Operate intercommunications equipment
3. Perform before-operations maintenance checks and services on remote thermometer, breech group main gun mount
4. Operate Loader's panel
5. Close the breech manually

## COMPLETE READINESS PHASE

### Complete Readiness Actions

1. Operate intercommunications equipment
2. Adjust Loader's seat and platform
3. Perform before-operations maintenance checks and services on remote thermometer, breech group main gun mount
4. Perform before-operations maintenance checks and services on the Loader's machinegun and the 105mm gun tube
5. Stow the 105mm ammo in the hull ammo compartment
6. Stow the 105mm ammo in the ready ammo compartment

7. Stow the 105mm ammo in the semi-ready ammo compartment
8. Stow the 105mm ammo in the turret floor ready racks
9. Check the turret networks box
10. Close the hull ammo compartment door
11. Close the semi-ready ammo compartment door
12. Erect crosswind sensor
13. Identify main gun ammunition
14. Install the Loader's machinegun
15. Load the grenade launcher
16. Lock main gun elevation travel lock
17. Lock the turret traverse lock
18. Open the hull ammo compartment door
19. Open the semi-ready ammo compartment door
20. Prepare coaxial machinegun for travel
21. Prepare grenade launcher for travel
22. Prepare Loader's machinegun for travel
23. Prepare main gun for travel
24. Secure the Loader's station

**PLAN DEFENSIVE OPERATIONS**

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## RECEIPT OF WARNING ORDER PHASE

### Receipt of Warning Order

1. Perform before-operations maintenance checks and services on Loader's machinegun and the 105mm gun tube
2. Enter Loader's station
3. Operate domelight
4. Power up Loader's station
5. Operate intercommunications equipment
6. Perform before-operations maintenance checks and services on remote thermometer, breech group main gun mount
7. Open the breech manually
8. Check the replenisher
9. Remove the Loader's machinegun
10. Prepare intercommunications equipment

## RECEIPT OF OPERATION ORDER PHASE

### Receipt of Operation Order

1. Perform before-operations maintenance checks and services on Loader's machinegun and the 105mm gun tube
2. Operate intercommunications equipment
3. Perform before-operations maintenance checks and services on remote thermometer, breech group main gun mount
4. Operate Loader's panel
5. Close the breech manually

## COMPLETE READINESS PHASE

### Complete Readiness Actions

1. Operate intercommunications equipment
2. Adjust Loader's seat and platform
3. Perform before-operations maintenance checks and services on remote thermometer, breech group main gun mount
4. Perform before-operations maintenance checks and services on the Loader's machinegun and the 105mm gun tube

5. Stow 105mm ammo in the hull ammo compartment
6. Stow 105mm ammo in the ready ammo compartment
7. Stow 105mm ammo in the semi-ready ammo compartment
8. Stow 105mm ammo in the turret floor ready racks
9. Check the turret networks box
10. Close the hull ammo compartment door
11. Close the semi-ready ammo compartment door
12. Erect crosswind sensor
13. Identify main gun ammunition
14. Install the Loader's machinegun
15. Load the grenade launcher
16. Lock main gun elevation travel lock
17. Lock the turret traverse lock
18. Open the hull ammo compartment door
19. Open the semi-ready ammo compartment door
20. Prepare coaxial machinegun for travel
21. Prepare grenade launcher for travel
22. Prepare Loader's machinegun for travel
23. Prepare main gun for travel
24. Secure the Loader's station

ADMINISTRATIVE ROAD MARCH

DEPART OLD AREA PHASE

Depart Old Area

1. Enter Loader's station
2. Operate intercommunications equipment
3. Adjust Loader's seat and platform

MOVEMENT PHASE

Move Along Route

1. Operate intercommunications equipment

ARRIVE NEW AREA PHASE

Arrive New Area

1. Operate intercommunications equipment

TACTICAL ROAD MARCH



DEPART OLD AREA PHASE

Depart Old Area

1. Enter Loader's station
2. Power up Loader's station
3. Operate intercommunications equipment
4. Adjust Loader's seat and platform
5. Unlock main gun elevation travel lock
6. Unlock the turret traverse lock

MOVEMENT PHASE

Move Along Route

1. Operate intercommunications equipment

ARRIVE NEW AREA PHASE

Arrive New Area

1. Operate intercommunications equipment

TACTICAL MOVEMENT

CONDUCT TACTICAL MOVEMENT PHASE

Traveling or Traveling Overwatch or Bounding Overwatch (Lead Platoon)

1. Operate intercommunications equipment
2. Check the replenisher
3. Load the main gun
4. Automatically operate ready ammo compartment door
5. Remove an 105mm round from ammo stowage racks
6. Unlock main gun elevation travel lock
7. Unlock the turret traverse lock
8. Load the coaxial machinegun
9. Load the Loader's machinegun
10. Acquire targets
11. Identify main gun ammunition
12. Operate domelight
13. Power up Loader's station

Traveling or Traveling Overwatch or Bounding Overwatch (Following Platoon)

1. Operate intercommunications equipment
2. Check the replenisher
3. Load the main gun
4. Automatically operate the ready ammo compartment door
5. Remove an 105mm round from the ammo stowage racks
6. Unlock main gun elevation travel lock
7. Unlock the turret traverse lock
8. Load the coaxial machinegun
9. Load the Loader's machinegun
10. Acquire targets
11. Identify main gun ammunition
12. Operate domelight
13. Power up Loader's station

CONSOLIDATE ON OBJECTIVE

## SWEEP ENEMY FROM OBJECTIVE PHASE

### Sweep Enemy From Platoon Sector

1. Operate intercommunications equipment
2. Load the main gun
3. Remove an 105mm round from the ammo stowage racks
4. Check the replenisher
5. Load the coaxial machinegun
6. Load the Loader's machinegun
7. Fire the Loader's machinegun
8. Automatically operate ready ammo compartment door
9. Acquire targets
10. Rank targets according to potential danger
11. Identify US and foreign equipment
12. Identify main gun ammunition
13. Operate Loader's panel

## PREPARE FOR ENEMY COUNTERATTACK PHASE

### Prepare for Enemy Counterattack

1. Operate intercommunications equipment
2. Load the main gun
3. Check the replenisher
4. Load the coaxial machinegun
5. Load the Loader's machinegun
6. Acquire targets
7. Identify main gun ammunition
8. Empty the Loader's machinegun spent cartridge case

## PREPARE TO CONTINUE ATTACK PHASE

### Prepare to Continue Attack

1. Operate intercommunications equipment
2. Check the replenisher
3. Check the turret networks box
4. Perform before-operations maintenance checks and services on the Loader's machinegun and 105mm gun tube
5. Prepare intercommunications equipment

REORGANIZE

## CONDUCT RESUPPLY PHASE

### Receive Class I, III, and V Supplies

1. Stow 105mm ammo in the hull ammo compartment
2. Stow 105mm ammo in the ready ammo compartment
3. Stow 105mm ammo in the semi-ready ammo compartment
4. Stow 105mm ammo in the turret floor ready racks
5. Exit tank
6. Identify main gun ammunition

## PERFORM MAINTENANCE PHASE

### Perform Maintenance and Emergency Repairs

1. Exit tank
2. Perform before-operations maintenance checks and services on the Loader's machinegun and 105mm gun tube
3. Perform before-operations maintenance checks and services on remote thermometer, breech group main gun mount

## REESTABLISH COMMUNICATIONS PHASE

### Reestablish Communications with TCs

## REASSIGN PERSONNEL PHASE

### Reassign Personnel